

Picase note change of address: P.O. Box 1760 205 Main Street Brattleboro, VT 05302 2 14 Main Street Brattleboro, VT 05200

(802) 254-3677 (24 hrs.) (802) 254-7630 (FAX)

May 19, 1993

First Vermont Bank Andrew Cay Western Avenue W. Brattleboro, VT 05301

RE: Pha

Phase II Environmental Site Investigation of Former Green Mountain Log Homes

Dear Mr. Cay:

Enclosed please find the above-referenced report for your review. Also enclosed you will find a form requiring your signature upon approval of this report. Please sign this form, keeping a copy for your files, and return it to us in the self addressed, stamped envelope provided for your convenience.

As soon as we receive this form, a copy of the above-referenced report will be mailed to the receipient listed.

Should you have any questions please call me at 254-3677.

Sincerely,

TRI-S, Inc. Environmental Consulting

una Terse

Bruce Tease, Ph.D.

Enclosures

cc: Matt Germon

BET/dan

\281.01\

# Phase II Environmental Site Investigation

of

Former Green Mountain Log Homes Property Route 11 Chester, Vermont

May 19, 1993



for

First Vermont Bank Western Avenue Brattleboro, VT 05301 by

TRI-S, Inc. Environmental Consulting 205 Main Street Brattleboro, VT 05301

#### **EXECUTIVE SUMMARY**

A Phase II Environmental Site Investigation was conducted at the subject property by TRI-S, Inc. Environmental Consulting (TEC) following Work Plan approval by the Vermont Department of Environmental Conservation (VT DEC). A Phase I Site Assessment conducted in September of 1992 by TEC identified several areas of concern regarding the presence of oil and hazardous materials at the site. As of November 23, 1992 sampling, analysis, and removal of 55 gallon drums and various above ground and underground storage tanks have been performed.

Excavation of contaminated soils in several areas of the site and in particular surrounding a dip tank used in the log-preservation process, was completed as of March 24, 1993. Analysis of post excavation soil samples collected from the base of the dip-tank pit revealed the presence of 760 mg/Kg to 46,000 mg/Kg of Total Petroleum Hydrocarbons (TPH), 1,100 ug/Kg to 7,200 ug/Kg of Xylene, 480 ug/Kg of Ethylbenzene, and 180 ug/Kg of Toluene.

On March 30, 1993, four soil borings were advanced in the vicinity of the former dip tank and monitoring wells were emplaced into the bore holes. Analytical testing of groundwater and stream samples for Volatile Organic Compounds via USEPA Method 8240, TPH, and Acid Extractable Semi-volatile Organic Compounds via USEPA Method 8270 revealed the presence of low levels of TPH.

Also performed as part of this investigation was the sampling and analysis of the site drinking water well, stockpiled contaminated soil, and groundwater from monitoring well GMLH-2. Analytical results obtained from the above sampling shall be presented as an addendum to this Phase II investigation report.

A second dip tank is stored in the wood chip disposal area. The tank contained material similar to the contents of the excavated dip tank. While no surface soil contamination was observed surrounding the tank, soil samples collected at the base of the tank were composited and analyzed for Total Petroleum Hydrocarbons (TPH). The rainwater and petroleum related sediment shall be disposed of according to state and federal regulations.

Based on the previous removal of a 13,000 gallon UST, 55 gallon drums, above ground storage tanks, the removal of the former dip tank, and stained soils throughout the subject property, the potential for a release of oil and hazardous materials has been adequately reduced at the site. Site contamination at this time appears to be limited to petroleum related compounds mainly bound to site soils in the vicinity of the former dip tank.

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#### I. Introduction

As requested by First Vermont Bank, TRI-S, Inc. Environmental Consulting (TEC) of Brattleboro, VT conducted the following Phase II investigation at the former Green Mountain Log Homes property in Chester, Vermont, to address concerns raised by the Phase I Summary Report and to satisfy the requests presented by the Sites Management Section (SMS) of the Vermont Department of Environmental Conservation (VT DEC) in their letter dated December 28, 1993. Conclusions and recommendations generated in this report are based solely on information obtained during the Phase I Site Assessment and Phase II investigations.

#### II. Site Overview

#### A. Setting and Layout

The site is a 6.25 acre parcel located on the eastern side of Route 11 in Chester, Vermont (see Site Locus in Appendix A). The subject property is currently unoccupied. It includes four structures that were used by the former site owner, Green Mountain Log Homes, a manufacturer of softwood logs. Information on the site buildings is provided in the following table.

Site Building Description										
Structure	age	heating system	foundation	construction type	footprint area					
Office Building	29	base board electric and wood stove	concrete block with crawl space	log with wood flooring	920 SF					
Manufacturing Building	29	hot air fueled with wood	concrete slab	log with wood frame and concrete block	9,239 SF					
Metal Storage Shed	unknown	none	concrete slab	steel frame with metal roof and wood walls	3,024 SF					
Wood Storage Shed	unknown	none	none	wood frame and siding	1,320 SF					

Softwood logs that were brought to the site were prepared in the manufacturing building and preserved by dipping into a holding tank containing creosote and hydraulic oil located in front of the office building. A wood chip disposal area is located in the northeastern section of the site. A former dip tank stored in this area contains rain water and a dark sediment.

Sites in the vicinity of the subject property are not serviced by the municipal drinking water and sewer systems. Drinking water is obtained at the subject property from an on-site groundwater well located easterly of the site buildings. An on-site septic tank and leach field was used to service the site's office building (see Site Sketch in Appendix B for details).

Abutting properties include a residence to the north, and undeveloped woodlands to the east, south, and west (across Route 11). A stream flows southwesterly along the western border of the subject property. This stream discharges to the Williams River located approximately 800 feet southwesterly of the site.

There are currently no known underground storage tanks present at the site. On November 23, 1992, a 13,000 gallon underground storage tank (UST) was removed from the site without incident by Brown's Country Services of East Dover, Vermont, under the direction of TEC. A pump dispenser located near this UST was also removed. Vermont DEC UST Program forms were completed and submitted to Marc Coleman of the Hazardous Materials Management Division on December 1, 1992.

#### B. Site History

The site has been unoccupied since it was repossessed by First Vermont Bank on January 25, 1992. Former site owners and land usage are listed below.

Approximate Date	Site Name	Former Owners	Land Usage
1986 to 1992	Green Mountain Log Homès	Mary G. and Sean P. Schaeffner	manufacturing facility of softwood logs
unknown	Green Mountain Cabins, Inc.	Alan Wilder	manufacturing facility of softwood logs
unknown	unknown	Thompson Paper Co.	manufacturing facility of softwood logs
1965	unknown	unknown	potato farm_

A Phase I Environmental Site Assessment was conducted at the subject property by TEC in September of 1992, to assess the potential for a release or threat of release of oil or hazardous materials at or in the vicinity of the site. Several areas were noted to exhibit surface stained soils, in particular the area surrounding the dipping tank located in front of the office building. Several 55 gallon drums and aboveground storage tanks, observed at the site, were sampled for waste classification. Laboratory results confirmed that the drum contents were primarily petroleum related in nature. As of November 23, 1992, sampling, analysis, and removal of the drums and various above ground and underground storage tanks have been performed.

On March 24, 1993, stained soils located in several areas of the site were excavated and stockpiled wrapped in polyethylene sheeting. The dip tank located in front of the office building and contaminated soils surrounding the tank were also excavated at this time. The size of the tank was approximately 6 feet x 12 feet. Soil contamination extended approximately 3-6 feet from the tank. The limit of excavation was approximately 9 feet below ground surface. Based on an excavation area of approximately 25 square yards, approximately 75 cubic yards of contaminated soils were removed and wrapped in polyethylene sheeting as two piles.

Head space screening of soil samples for volatile compounds with a Thermo Environmental Instrument, Inc. Organic Vapor Meter (OVM) Model 580B calibrated to 250 ppm of Isobutylene, detected readings of 350 ppm at approximately 3 feet below ground surface and approximately 75 ppm at the limit of excavation (9 feet). Groundwater entered the excavation pit preventing further removal of soils. Laboratory results of post excavation soil samples collected from the corners of the base of the dipping tank pit are presented in the following table.

Analytical Results of Dipping Tank-Pit Soil Samples Collected on March 24, 1993, at Green Mountain Log Homes, Chester, VT									
Compounds	Tank Pit Corners  Northeast Northwest Southeast Southwest								
TPH (IR)	760 ppm	5,500 ppm	<sup>1</sup> 46,000 ppm	19,000 ppm					
VOC's (8240)									
Xylene Ethylbenzene Toluene	ND ND ND	ND ND ND	1,100 ppb ND ND	7,200 ppb 480 ppb 180 ppb					
Acid Extractables (8270)	ND	ND ·	ND	ND					

ND = Not Detected

TPH = Total Petroleum Hydrocarbons by Fourier Transform Infrared Spectroscopy

VOC's = Volatile Organic Compounds by USEPA Method 8240

Acid Extractables = Semi-volatile Phenols and Creosols by USEPA Method 8270

ppm = parts per million as mg/Kg

ppb = parts per billion as ug/Kg

### C. Subsurface Investigations

On March 30, 1993, four soil borings were advanced in the vicinity of the former dip tank. Due to the abundance of cobbles and boulders at the site, an air rotary drill rig was utilized at the site. Consequently, split spoon soil sampling could not be performed.

Head space screening with an OVM of soil brought to the surface during drilling activities detected the presence of 20-50 ppm of volatile compounds at each soil boring. Monitoring wells (15 feet) were emplaced into the bore holes following standard well installation protocols for the State of Vermont.

Depth to groundwater and sampling of the monitoring wells were performed on April 8, 1993. Groundwater potentiometric readings are presented in the data summary table below. All readings are measured in feet from an arbitrary datum point. A groundwater potentiometric map for April 8, 1993, was developed from these readings to determine the direction of groundwater flow and is included as Appendix E. Soil Boring/Monitoring Well Logs are presented in Appendix C. Monitoring well gauging and sampling information are presented in Appendix D.

		entiometric og Homes,		T
Wells	GMLH 1	GMLH 2	GMLH 3	GMLH 4
Top of PVC	99.55	99.72	96.84	99.72
Depth to Groundwater	1.01	1.04	1.83	4.68
. Groundwater Elevation on 4/8/93	94.54	94.68	95.01	95.04

Based on the elevational survey performed at the site, groundwater appears to flow in a west-northwesterly direction towards the small stream.

## D. Sample Collection and Analysis

In addition to the groundwater monitoring well samples, two samples were collected from the stream located adjacent to Route 11. The sampling stations were located immediately upgradient of the access gate and downgradient of the wood shed area where the stream bends to the southeast. The stream samples were analyzed for Volatile Organic Compounds via USEPA Method 8240, TPH, and Acid Extractable Semi-Volatile Organic Compounds via USEPA Method 8270. Acid extractables include cresol related compounds.

Analytical results are presented in the following table.

Analytical Results of Groundwater and Sensitive Receptor Samples Collected on April 8, 1993 at Green Mountain Log Homes, Chester, VT										
			Sampi	e Location						
Compound	GMLHI	GMLH2	GMLH3	GMLH4	Dup. of 4	up stream	down stream			
Volatile Organics (8240)	ND	ND	ND	ND	ND	ND	ND			
TPH (IR)	0.1 ppm	0.7 ppm	0.6 ppm	0.6 ppm	0.4 ppm	ND	0.1 ppm			
Acid Extractables (625/8270)	ND	ND	ND	ND	ND	ND	ND			

ND = Not Detected

GMLH = groundwater monitoring well designation

TPH = Total Petroleum Hydrocarbons (Fourier Transform Infrared Spectroscopy)

Acid Extractables = Semi-volatile Phenols and Creosols by USEPA Method 8270

ppm = parts per million as mg/L

ppb = parts per billion as ug/L

Trip Blank sample was ND for VOC's, TPH, and Acid Extractables

Analytical services were performed by Matrix Analytical Laboratories located in Hopkinton, Massachusetts. Full laboratory reports and Chain-of-Custody record are included in Appendix F.

An attempt was made to obtain a sample directly from the drinking water well but no sample could be collected. On May 17, 1993, following the return of power to the site, a sample from the drinking water well was collected for analysis of Volatile Organic Compounds via USEPA Method 524.2 and for Semi-Volatile Organic Compounds via USEPA Method 8270.

A groundwater sample was collected from monitoring well GMLH-2 and analyzed for Base/Neutral Extractable Semi-Volatile Organic Compounds via USEPA Method 8270.

A former dip tank is currently stored near the wood chip disposal area. This tank is approximately 6 feet x 12 feet in size and approximately 3 feet deep. It is approximately 1/5 full of mostly rain water with sediment exhibiting petroleum characteristics. No surface staining of soils was observed surrounding the tank. The surface soils at the base of the tank were rich in organic matter. A composite sample was collected and analyzed for TPH via USEPA Method 418.1. Since the contents of this tank were similar to that of the excavated dipping tank, the rain water and sediment mixture shall be disposed of in a similar fashion by a vac-truck at United Oil Recovery in Meriden, CT.

#### E. Risk Evaluation

The site exists within an undeveloped relatively rural area in Chester, Vermont. One residential dwelling is located upgradient approximately 400 feet northeasterly of the site. The subject area including the site is serviced by private drinking water wells and septic systems. A small stream that flows along the western property line is hydrologically connected to the Williams River located approximately 800 feet southwesterly of the subject property. The site well, small stream, and the Williams River would be considered potentially sensitive receptors.

The proximity of the site well (located easterly of the office building) to the area of observed contamination (primarily located westerly of the office building) is such that the integrity of the well should not be jeopardized by migrating contamination. Groundwater flow in unconsolidated soils in this area of the site appears to be in a west-northwesterly direction away from the site drinking water well.

Based on laboratory analyses conducted to date, the remaining contamination of concern at the site appears to be petroleum related high molecular weight compounds bound to soils in the vicinity of the former dipping tank in front of the office building. Laboratory analysis of groundwater and stream samples revealed low levels of TPH contamination. No other compounds analyzed for were detected in the groundwater and stream samples.

Based on the previous removal of a 13,000 gallon UST, 55 gallon drums, aboveground storage tanks, the removal of the former dip tank, and stained soils throughout the subject property, the potential for a release of oil and hazardous materials has been adequately reduced at the site.

#### III. Conclusions

TEC makes the following conclusions:

Based on the previous removal of a 13,000 gallon UST, 55 gallon drums, aboveground storage tanks, the removal of the former dip tank, and stained soils throughout the subject property, the potential for a release of oil and hazardous materials has been adequately reduced at the site. Site contamination at this time appears to be limited to petroleum related compounds bound to site soils in the vicinity of the former dip tank. Laboratory analysis of groundwater and stream samples revealed low levels of TPH contamination. No other compounds analyzed for were detected.

Analysis of soils and groundwater samples for acid extractable Semi-volatile Organic Compounds via USEPA Method 8270 revealed the absence of cresol containing compounds. The material used in the preservation of the softwood logs is petroleum related based on the presence of high levels of TPH detected to date. Analysis for neutral/base extractable Semi-volatile Organic Compounds via USEPA Method 8270 may identify more specifically the compounds associated with the petroleum based log preservative.

The presence of low levels of Total Petroleum Hydrocarbons (TPH) detected in the groundwater samples collected at the site would not constitute a significant threat to the integrity of the private drinking water wells at or in the vicinity of the subject property. Currently, there is no state or federal maximum contaminant level for TPH in drinking water.

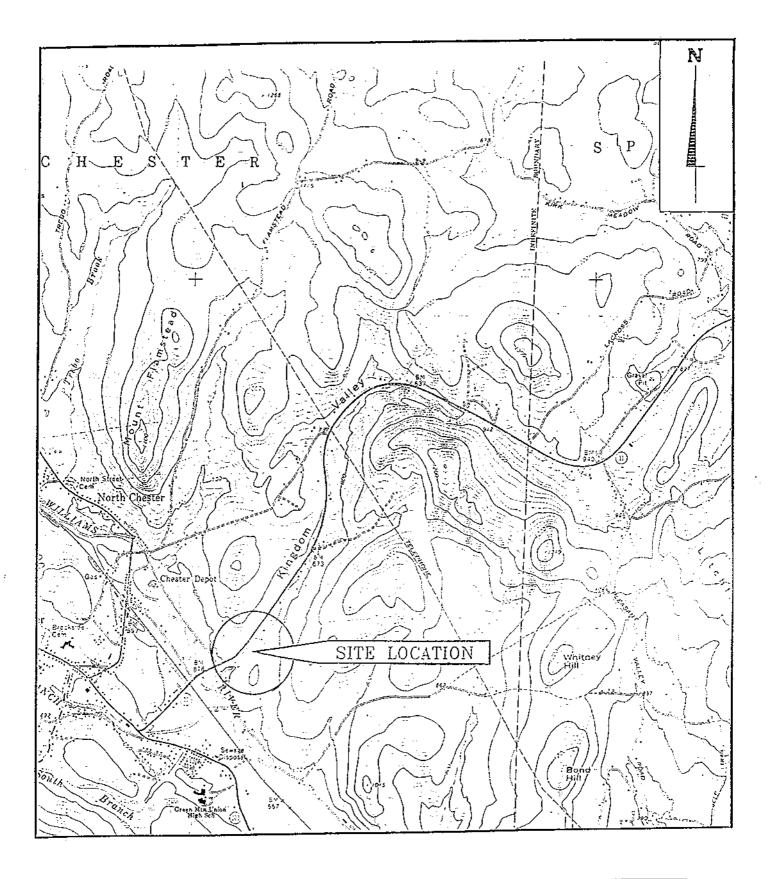
The proximity of the site well (located easterly of the office building) to the area of observed contamination (primarily located westerly of the office building) is such that the integrity of the well should not be jeopardized by contamination originating from the former dip tank area. Groundwater flow in unconsolidated soils in this area of the site appears to be west-northwesterly, away from the site well.

#### IV. Recommendations

- Following waste classification, the stockpiled soils shall be disposed of according to state and federal regulations. Depending upon laboratory results, asphalt encapsulation of the non-cobble fraction of the stockpiled soils may be an appropriate disposal alternative. This material could be used as paving at the site.
- The contents of the dip tank, stored in the wood chip disposal area, should be removed via vac-truck and disposed of at United Oil Recovery in Meriden, CT.
- Results of analytical testing performed on samples collected on May 18, 1993, should be presented in a summary letter and submitted to the Vermont DEC.

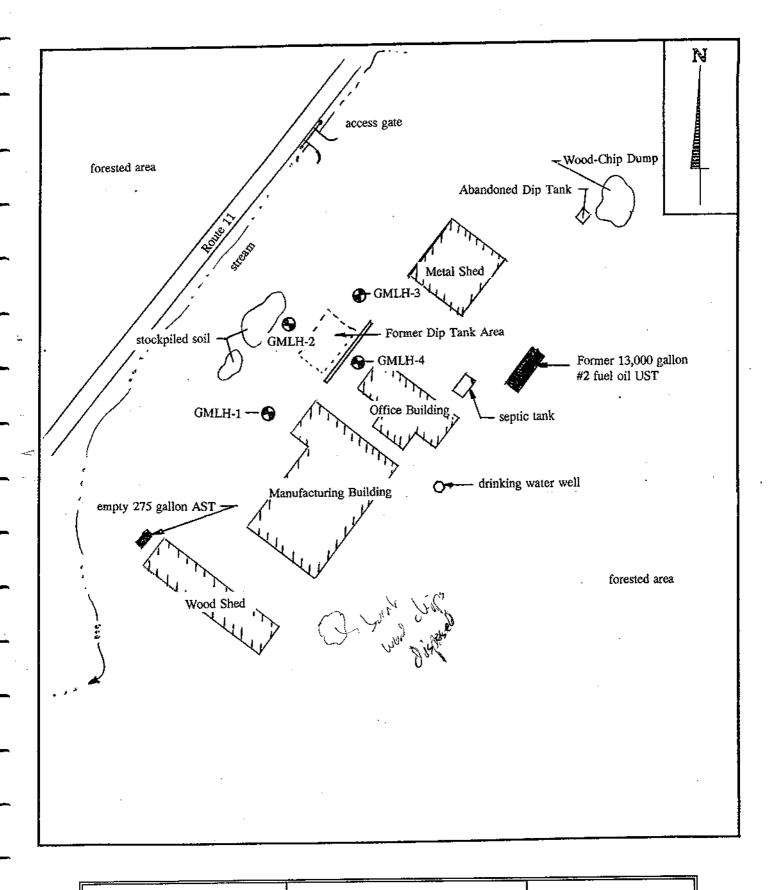
Appendix A

Site Locus Map



Appendix B

Site Sketch Map



Site Sketch

Green Mountain Log Homes

Route 11

Chester, VT

Not to Scale

Appendix C

Monitoring Well Installation Logs

Project #: 281.01

Project Name: Chester

SITE LOCUS

Location: Route 11 Green Mountain Log Homes

Driller: Frost - Air Rotary

TEC Personnel: Paul Miller

Boring/well #: GMLH - 1 Sheet 1 of 1

Depth Range	Blow Co	ounts 2-18   18-24   Rec.	OVM (ppm)	Soil Character	GW
0 - 12'			20 - 50	Dark brown silt and cobbles and boulders with some fine - course grained sand.	~ 7'
12 - 15′			20 - 50	Dark brown - gray silt and sand with gravel.	
				EOB = 15′	

#### Soil Characterization Terminology

TEXTURE clay silt very fine grain sand fine grain sand

gravel cobbles

medium grain sand coarse grain sand

**PROPORTIONS** 

trace = 0.10%

little = 10-20%

some = 20-35%and = 35-50%

brown (very light, light, medium, dark)

yellow red gray

Air rotary dill rig used due to cobbles and boulders at the site.

No split spoon sampling possible.

Project #: 281.01 Project Name: Chester

Location: Route 11 Green Mountain Log Homes

Driller: Frost

TEC Personnel: Paul Miller

Boring/well #: GMLH - 2 Sheet 1 of 1

SITE LOCUS

Bornig/weii #. Qiv	ALII 4 Z OII	]	**************************************			
Depth Range	Blow 94 6-12	Counts 18-24	Rec.	OVM (ppm)	Soil Character	GW
0 - 12′				20 - 50	Dark brown silt and cobbles and boulders with some fine - course grained sand.	~ 7′
12 - 15′				20 - 50	Dark brown - gray silt and sand with gravel.	
					EOB = 15′	

#### Soil Characterization Terminology

**TEXTURE** 

clay silt

cobbles

very fine grain sand fine grain sand medium grain sand coarse grain sand gravel

PROPORTIONS

trace = 0.10%

little = 10-20%

some = 20-35%

and = 35-50%

COLOR

brown (very light, light, medium, dark)

yellow

red gray

Project #: 281.01

Project Name: Chester

SITE LOCUS

Location: Route 11 Green Mountain Log Homes

Driller: Frost

TEC Personnel: Paul Miller

Boring/well #: GMLH - 3 Sheet 1 of 1

Depth		Blow Counts				OVM	Soil	
Range	0-6	6-12	12-18	18-24	Rec.	(ppm)	Character	GW
0 - 12′						20 - 50	Dark brown silt and cobbles and	
	<u> </u>						boulders with some fine - course	~ 7'
							grained sand.	
12 - 15 <sup>2</sup>						20 - 50	Dark brown - gray	
12 - 13						20 - 30	silt and sand with gravel.	
					ļ			
<u></u>		<u> </u>	<u> </u>	· · · · · · · · · · · · · · · · · · ·	<u> </u>			
			<u> </u>		<u> </u>			
							EOB = 15'	
		-						

#### Soil Characterization Terminology

TEXTURE

clay silt

very fine grain sand fine grain sand

medium grain sand coarse grain sand

gravel cobbles PROPORTIONS

trace = 0-10%

little = 10-20%

some = 20-35%

and = 35-50%

COLOR

brown (very light, light, medium, dark)

yellow

red

gray

SITE LOCUS

Project #: 281.01

Project Name: Chester

Location: Route 11 Green Mountain Log Homes

Driller: Frost - Air Rotary TEC Personnel: Paul Miller

Boring/well #: GMLH - 4 Sheet 1 of 1

Dornig well 4: Ower - 4 Direct Tol. 1								
Depth Range	9.6	Blow 6-12	Counts 12-18	18-24	Rec.	OVM (ppm)	Soil Character	GW
0 - 12'						20 - 50	Dark brown silt and cobbles and	
							boulders with some fine - course	~ 8′
							grained sand.	•
12 - 15′		•				20 - 50	Dark brown - gray	
							silt and sand with light gravel.	
								<del>.</del>
							EOB = 15'	
					<u>-</u>			
				<u> </u>	<u> </u>	<u> </u>		

#### Soil Characterization Terminology

and = 35-50%

**PROPORTIONS TEXTURE** clay silt very fine grain sand some = 20-35%

COLOR brown (very light, light, medium, dark) trace = 0-10%little = 10-20%yellow red

дгау

fine grain sand medium grain sand coarse grain sand

gravel

Air rotary drill rig used due to cobbles and boulders at the site.

No split spoon sampling possible.

Appendix D

Monitoring Well Gauging and Sampling Log

# TEC MONITORING WELL GAUGING AND SAMPLING LOG

Project Number: 281.01

Site Name: Green Mountain Log

Homes

Site Location: Route 11, Chester, VT

TEC Personnel: Paul Miller/Kirsten Jeppesen

Date of Sampling: April 8, 1993

			-1-1		hane, vahin	0, 2220
Well #	GMLH-1	GMLH-2	GMLH-3	GMLH-4		
Time of Sample Collection	11:38	11:56	11:47	11:26		
well depth	~15′	~15′	~15′	~15′		
groundwater depth	1.01	1.04	1.83	4.68		
casing (PVC) elevation	95.55′	95.72′	96.84′	99.72′		
water elevation	94.54	94.68	95.01	95.04		
water appearance	very turbid	very turbid	very turbid	very turbid		wow.
water odor	heavy petro. odor	heavy petro. odor	heavy petro. odor	heavy petro. > odor	2 John John	6 ?
total water in well (inches)	167.88"	167.52"	158.04"	123.84"		
bailers to evacuate (inches x )						

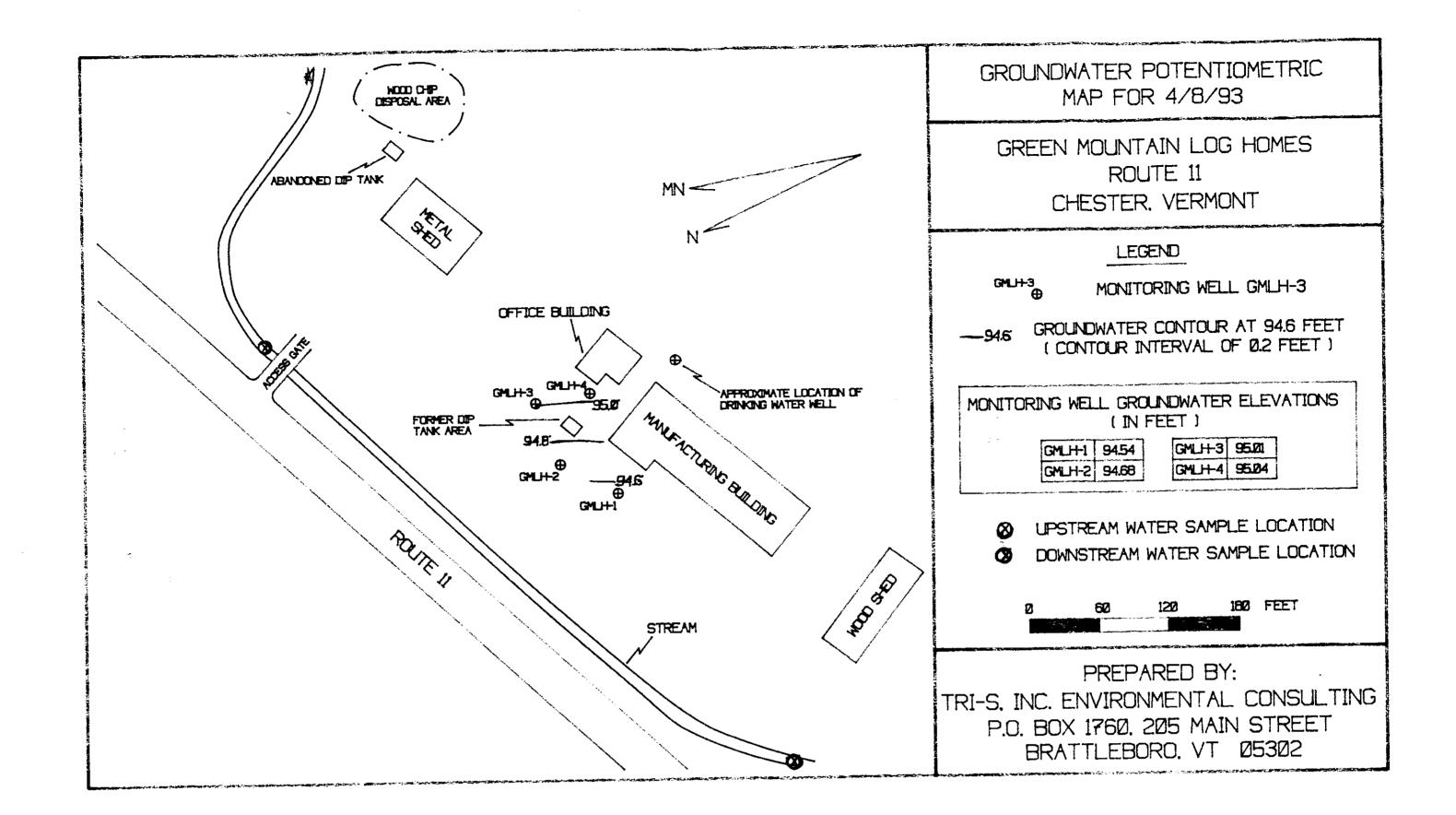
### **COMMENTS**

Wells installed by Frost Drilling on March 30, 1993

Site Sketch:

Appendix E

Groundwater Potentiometric Map



Appendix F

Laboratory Data



# RECEIVED APR 2 6 1993

### ANALYTICAL DATA

### SUMMARY

Report Date:

04/22/93

Account: Address:

TRI-S Environmental Consulting

P.O. Box 1760

Brattleboro, VT 05302

802-254-3677

Project Manager: Project Name: Project No.:

GMLH/Chester/PhaseII (281) (4-9-93)

281

Sample Information:

Laboratory ID. Client ID.

Laboratory ID. Client ID.

30992076-001 GMLH-1-4893-281 30992076-002 GMLH-2-4893-281 30992076-003 GMLH-3-4893-281 30992076-004 GMLH-4-4893-281 30992076-005 GMLH-5-4893-281

30992076-006 GMLH-6-4893-281 30992076-007 GMLH-8-4893-281 30992076-008 GMLH-9-4893-281 30992076-009 GMLH-10-4893-281 30992076-010 QC-Report

Reviewed by

Stephen DiMattei

Quality Assurance Officer

Lab Certifications

EPA ID: No. MA059 Massachusetts: No. 313 Maine: Reciprocity New York: ELAP No. 11116

Connecticut: No. PH 0515 Florida: QA Plan No. 900437G New Hampshire: No. 24190-A,B Rhode Island: Reciprocity

# RECEIVED APR 2 6 1993



Matrix Analytical, Inc. 106 South Street Hopkinton, MA 01748 1 800 3-MATRIX

## FINAL REPORT

Client Information

Account:

TRI-S Environmental Consulting

Address:

P.O. Box 1760

Brattleboro, VT 05302

Project Name:

GMLH/Chester/PhaseII (281)(4-9-93)

Project Number:

Project Manager:

Sampler Name:

TRI-S Environmental

Sample Information

Lab ID:

30992076-001

Client Id;

GMLH-1-4893-281

Matrix:

Water

Date Sampled:

04/08/93 11:38

Date Received;

04/09/93 : 0

Date Reported:

alytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyze
LATILE ORGANICS						
Acetone	ND	ug/l	100	8240	b.	04 (52/0
Benzene	ND	ug/I	1	8240	bs bs	04/17/9
Bromodichloromethane	ND	ug/l	5	8240 8240	bs	04/17/9
Bromoform	ND	ug/l	5	8240 8240	· ·	04/17/9
Bromomethane	ND	ug/I	5	8240 8240	bs	04/17/9
Carbon Tetrachloride	ND	ug/l	5	8240 8240	bs	04/17/9
Chlorobenzene	ND	ug/l	5	8240 8240	bs	04/17/9
Chloroethane	ND	ug/l	5	8240 8240	bs	04/17/9
Chloroform	ND	ug/l	5	8240 8240	bs	04/17/9
Chloromethane	ND				bs	04/17/9
Dibromochloromethane	ND	ug/l	5	8240	bs	04/17/9
1,2-Dichlorobenzene	ND	ug/l	5	8240	bs	04/17/9
1,3-Dichlorobenzene	ND	ug/l	5	8240	bs	04/17/9
1.4-Dichlorobenzene	·	ug/l	5	8240	bs	04/17/9
I.1-Dichloroethane	ND	ug/l	5	8240	bs	04/17/9
L2-Dichloroethane	ND	ug/I	5	8240	bs	04/17/9
I.1-Dichloroethene	ND	ug/J	5	8240	bs	04/17/9
	ND	ug/I	5	8240	bs	04/17/9
cis-1,2-Dichloroethene	ND	ug/l	5	8240	bs	04/17/9
rans-1,2-Dichloroethene	ND	ug/l	5	8240	bs	04/17/9
l,2-Dichloropropane	ND	ug/I	5	8240	bs	04/17/9
is-1,3-Dichloropropene	ND	ug/l	5	8240	bs	04/17/9
rans-1,3-Dichloropropene	ND	ug/l	5	8240	bs	04/17/9
Ethylbenzene	NĐ	ug/l	5	8240	bs	04/17/9
Methylene Chloride	ND	ug/I	5	8240	bs	04/17/93
Methyl Ethyl Ketone	ND	ug/l	100	8240	bs	04/17/9



Matrix Analytical, Inc. 106 South Street Hopkinton, MA 01748 1 800 3-MATRIX

## FINAL REPORT

Client Information

Account:

TRI-S Environmental Consulting

Address:

P.O. Box 1760

Brattleboro, VT 05302

Project Name:

GMLH/Chester/PhaseII (281)(4-9-93)

Project Number:

Project Manager: Sampler Name:

TRI-S Environmental

Sample Information

Lab ID:

30992076-001

Client Id:

GMLH-1-4893-281

Matrix:

Water

Date Sampled:

04/08/93 11:38

Date Received:

04/09/93 : 0

Date Reported:

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
VOLATILE ORGANICS						
MIBK	ND	ug/l	50	8240	bs	04/17/02
MTBE	ND	ug/I	5	8240 8240	bs bs	04/17/93
1,1,2-3-Tetrachloroethane	ND	ug/l	5	8240 8240	bs bs	04/17/93
Tetrachloroethene	ND	ug/l	. 5	8240	bs	04/17/93
Toluene	ND	ug/l	5	8240	bs bs	04/17/93
1,1,1-Trichloroethane	ND	ug/l	5	8240 8240	bs	04/17/93
1,1,2-Trichloroethane	ND	ug/1	5	8240		04/17/93
Trichloroethene	ND	ug/l	5	8240	bs	04/17/93
Trichlorofluoromethane	ND	ug/l	5	8240 8240	bs	04/17/93
Vinyl Chloride	ND	ug/l	5	8240 8240	bs	04/17/93
Xylene	ND	ug/I	5	8240 8240	bs bs	04/17/93 04/17/93
Surrogate Studies - Volatiles						. ,
Bromofluorobenzene	92	D			_	
1,2-Dichloroethane-D	104	Percent			bş	04/17/93
Toluene-D	96	Percent			bs	04/17/93
10.00.0-15	90	Percent			bs	04/17/93
ACID EXTRACTABLES						
Benzoic Acid	, ND	ug/l	50	625	ss	04/13/93
4-Chloro-3-Methylphenol	ND	ug/l	20	8270	SS	04/13/93
2-Chlorophenol	ND	ug/l	10	8270	SS	04/13/93
2,4-Dichlorophenol	ND	ug/l	10	8270	SS	04/13/93
2,6-Dichlorophenol	ND	ug/l	10	625	SS	04/13/93
2,4-Dimethylphenol	ND	- <i>ъ/.</i> ug/l	10	8270	SS .	04/13/93
4,6-Dinitro-2-Methylphenol	ND	ug/l	50	8270	SS.	04/13/93



Matrix Analytical, Inc. 106 South Street Hopkinton, MA 01748 1 800 3-MATRIX

# RECEIVED APR 2 6 1993

## FINAL REPORT

Client Information

Account:

TRI-S Environmental Consulting

Address:

P.O. Box 1760

Brattleboro, VT 05302

Project Name:

GMLH/Chester/PhaseII (281)(4-9-93)

Project Number.

281

Project Manager:

Sampler Name:

TRI-S Environmental

Sample Information

Lab ID:

30992076-001

Client Id:

GMLH-1-4893-281

Matrix:

Water

Date Sampled:

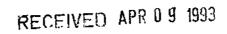
04/08/93 11:38

Date Received:

04/09/93 : 0

Date Reported:

Analytical Parameter	Result	Unit	Defection Limit	Method No.	Analyst	Date Analyzed
ACID EXTRACTABLES						
2,4-Dinitrophenol	ND					
2-Methylphenol	ND	ug/l	50	8270	SS	04/13/93
4-Methylphenol	ND ND	ug/l	10	625	SS	04/13/93
2-Nitrophenol	ND	ug/l	10	625	SS	04/13/93
4-Nitrophenol	ND ND	ug/l	10	8270	\$\$	04/13/93
Pentachlorophenol		ug/i	50	8270	S\$	04/13/93
Phenol	ND	ug/i	50	8270	SS	04/13/93
	ND	ug/l	10	8270	SS	04/13/93
2,3,4,6-Tetrachlorophenol	ND	ug/I	10	625	\$S	04/13/93
2,4,5-Trichlorophenol	ND	· ug/l	10	625	SS	04/13/93
2,4,6-Trichtorophenol	ND	υg/l	10	8270	ss	04/13/93
Extraction Date:	04/12/93				rw	04/13/93
urrogate Studies - Acid Extractables						
2-Fluorophenol	40	Percent				0.4 (4.4 (0.4
Phenot-D6	39	Percent			SS	04/13/93
2,4,6-Tribromophenol	74				SS	04/13/93
, , <del></del>	<i>1</i> 4	Percent			SS	04/13/93
etroleum Hydrocarbon Analysis						
Total Petroleum Hydrocarbon (IR)	0.1	mg/t	0.1	418.1	ja	04/16/93





Matrix Analytical, Inc. 106 South Street Hopkinton, MA 01748 1800 3-MATRIX

#### FINAL REPORT

Client Information

Account:

TRI-S Environmental Consulting

Address:

P.O. Box 1760

Brattleboro, VT 05302

Project Name:

GMLH (281) (3-26-93)

Project Number:

Project Manager:

Sampler Name:

Tri-S Environmental Cons.

Sample Information

Lab ID:

30851835-004

Client Id: Matrix:

swSoil Date Sampled:

03/24/93 14:00

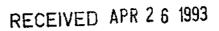
Date Received:

03/26/93 : 0

Date Reported:

04/07/93

ialytical Parameter	Result	Unit	Detection Limit	Method No.		Date
	Avenu	Citi	LAIIII)	NO.	Analyst	Analyzi
NI ATH E ODGANIES						
DLATILE ORGANICS MIBK	ND		1000	00.10		
MTBE	ND	ug/kg	1000	8240	ck	04/02/9
1,1,2,2-Tetrachloroethane	ND ND	ug/kg	100	8240	ck	04/02/9
Tetrachloroethene	ND	ug/kg	100	8240	ck	04/02/9
Toluene -		ug/kg	100	8240	ck	04/02/9
1,1,1-Trichloroethane	180	ug/kg	100	8240	ck	04/02/9
1,1,2-Trichloroethane	ND	ug/kg	100	8240	ck	04/02/9
Trichloroethene	ND	ug/kg	100	8240	ck	04/02/9
Trichlorofluoromethane	ND	ug/kg	100	8240	ck	04/02/9
Vinyl Chloride	ND	ug/kg	100	8240	ck	04/02/9
•	ND	ug/kg	100	8240	ck	04/02/9
Xylene	7,200	ug/kg	100	8240	ck	04/02/9
DROCARBON ANALYSIS		,				
Total Petroleum Hydrocarbon (IR)	19,000	mg/kg	200	9073	ja	03/29/9
ID EXTRACTABLES						
Benzoic Acid	ND	ug/kg	50000	8270	SS	04/01/9
4-Chloro-3-Methylphenol	ND	ug/kg	20000	8270	ss	04/01/9
2-Chlorophenol	ND	ug/kg	10000	8270	\$S	04/01/9
2,4-Dichlorophenol	ND	ug/kg	10000	8270	SS	04/01/9
2,6-Dichlorophenol	ND	ug/kg	10000	8270	SS	04/01/9
2,4-Dimethylphenol	ND	ug/kg	10000	8270	SS SS	04/01/9
4,6-Dinitro-2-Methylphenol	ND	ug/kg	50000	8270		04/01/9
2,4-Dinitrophenol	ND	ug/kg ug/kg	50000	8270 8270	SS	
2-Methylphenol	ND	ug/kg ug/kg	10000	8270 8270	SS	04/01/9 04/01/9





Matrix Analytical, Inc. 106 South Street Hopkinton, MA 01748 1 800 3-MATRIX

#### FINAL REPORT

Client Information

Account:

TRI-S Environmental Consulting

Address:

P.O. Box 1760

Brattleboro, VT 05302

Project Name:

GMLH/Chester/PhaseII (281)(4-9-93)

Project Number:

281

Project Manager:

Sampler Name:

TRI-S Environmental

Sample Information

Lab ID:

30992076-002

Client Id:

GMLH-2-4893-281

Matrix:

Water

Date Sampled:

04/08/93 11:56

Date Received:

04/09/93 : 0

Date Reported:

alytical Parameter	Result	Ünit	Detection Limit	Method No.	Analyst	Date Analyzed
LATILE ORGANICS						
Acetone	ND	ug/l	100	9240	1	84 100 100
Велгеле	ND		100	8240	bs	04/19/93
Bromodichloromethane	ND	ug/l	_	8240	bs	04/19/93
Bromotorm	ND	บg/I	5	8240	bs	04/19/93
Bromomethane	ND	ug/l	5	8240	bs	04/19/93
Carbon Tetrachloride	ND.	ug/l	5	8240	bs	04/19/93
Chlorobenzene		ug/l	5	8240	bs	04/19/93
Chloroethane	ND	ug/l	5	8240	bs	04/19/93
Chloroform	ND	ug/l	5	8240	bs	04/19/93
Chloromethane	ND	ug/l	5	8240	bs	04/19/93
	ND	ug/l	5	8240	bs	04/19/93
Dibromochloromethane	ND	ug/l	S	8240	bs	04/19/93
1,2-Dichlorobenzene	ND	υg/I	5	8240	bs	04/19/93
1,3-Dichlorobenzene	ND	ug/i	5	8240	bs	04/19/93
1,4-Dichlorobenzene	ND	ug/l	5	8240	bs	04/19/93
1,1-Dichloroethane	ND	ug/l	5	8240	bs	04/19/93
1,2-Dichloroethane	ND	ug/I	5	8240	bs	04/19/93
1,1-Dichloroethene	ND	ug/l	5	8240	bs	04/19/93
cis-1,2-Dichloroethene	ND	ug/l	5	8240	bs	04/19/93
trans-1,2-Dichloroethene	ND	ug/l	5	8240	bs	04/19/93
1,2-Dichloropropane	ND	ug/l	5	8240	bs	04/19/93
cis-1,3-Dichloropropene	ND	ug/l	5	8240	bs	04/19/93
rans-1,3-Dichloropropene	ND	ug/l	5	8240	bs	04/19/93
Ethylbenzene	ND	υg/I	5	8240	bs	04/19/93
Methylene Chloride	ND	ug/l	5	8240	bs	04/19/93
Methyl Ethyl Ketone	ND	ug/l	100	8240	bs	04/19/93



Matrix Analytical, Inc. 106 South Street Hopkinton, MA 01748 1800 3-MATRIX

#### FINAL REPORT

Client Information

Account:

TRI-S Environmental Consulting

Address;

P.O. Box 1760

Brattleboro, VT 05302

Project Name:

GMLH/Chester/PhaseII (281)(4-9-93)

Project Number:

Project Manager: Sampler Name:

TRI-S Environmental

Sample Information

Lab ID:

30992076-002

Client Id:

GMLH-2-4893-281

Matrix:

Water

Date Sampled:

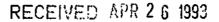
04/08/93 11:56

Date Received:

04/09/93 : 0

Date Reported:

Analytical Parameter	Result	Unit	Detection Limit	Method: No.	Analist	Date
			Gants	ino.	Analyst	Analyzed
						1
OLATILE ORGANICS						
MIBK	ND	ug/l	50	8240	bs	04/19/93
MTBE	ND	ug/l	5	8240	bs	04/19/93
1,1,2,2-Tetrachloroethane	ND	ug/I	5	8240	bs	04/19/93
Tetrachloroethene	ND	ug/l	5	8240	bs	04/19/93
Toluene	ND	ug/1	5	8240	bs	04/19/93
1,1,1-Trichloroethane	ND	ug/l	5	8240	bs	04/19/93
1,1,2-Trichloroethane	ND	ug/l	5	8240	bs	04/19/93
Trichloroethene	ND	ug/l	5	8240	bs	04/19/93
Trichlorofluoromethane	ND	ug/l	5	8240	bs	04/19/93
Vinyl Chloride	ND	ug/l	5	8240	bs	04/19/93
Xylene	ND	ug/l	5	8240	bs	04/19/93
urrogate Studies - Volatiles	·					
Bromofluorobenzene	99	Percent			bs	04/19/93
1,2-Dichloroethane-D	95	Percent			bs	04/19/93
Toluene-D	98	Percent			bs	04/19/93
CID EXTRACTABLES	•					
Benzoic Acid	ND	ug/l	50	625	SS	04/13/93
4-Chloro-3-Methylphenol	ND	ug/l	20	8270	SS	04/13/93
2-Chlorophenol	ND	ug/l	10	8270	SS	04/13/93
2,4-Dichlorophenol	ND	ug/i	10	8270	SS	04/13/93
2,6-Dichlorophenol	ND	ug/l	10	625	ss	04/13/93
2,4-Dimethylphenol	ND	ug/l	10	8270	SS SS	04/13/93
4,6-Dinitro-2-Methylphenol	ND	ug/l	50	8270	SS S	04/13/93





Matrix Analytical, Inc. 106 South Street Hopkinton, MA 01748 1 800 3-MATRIX

## FINAL REPORT

Client Information

Account:

TRI-S Environmental Consulting

Address:

P.O. Box 1760

Brattleboro, VT 05302

Project Name:

ne:

GMLH/Chester/PhaseII (281)(4-9-93)

Project Number:

281

Project Manager.

Sampler Name:

TRI-S Environmental

Sample Information

Lab ID:

30992076-002

Client Id:

GMLH-2-4893-281

Matrix

Water

Date Sampled:

04/08/93 11:56

Date Received:

04/09/93 : 0

Date Reported:

Analytical Parameter	Resulț	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
ACID EXTRACTABLES			·		<u> </u>	
2,4-Dinitrophenol	NĎ					
2-Methylphenol		ug/l	50	8270	SS	04/13/93
4-Methylphenol	ND	ug/i	10	625	SS	04/13/93
2-Nitrophenol	ND	ug/l	10	625	SS	04/13/93
	ND	ug/l	10	8270	SS	04/13/93
4-Nitrophenol	ND	ug/!	50	8270	\$\$	04/13/93
Pentachlorophenol	ND	ug/l	50	8270	SS	04/13/93
Phenol	ND	ug/l	10	8270	ss	04/13/93
2,3,4,6-Tetrachlorophenol	ND	ug/t	10	625	SS	04/13/93
2,4,5-Trichlorophenol	ND	ug/l	10	625	SS	04/13/93
2,4,6-Trichlorophenol	ND	ug/I	10	8270	ss	04/13/93
Extraction Date:	04/12/93	-6/-		0270	IM 22	04/13/93
Surrogate Studies - Acid Extractables						
2-Fluorophenol	49	Percent				04/40/04
Phenol-D6	44	Percent			SS	04/13/93
2,4,6-Tribromophenol	93			•	SS	04/13/93
	73	Percent			SS	04/13/93
Petroleum Hydrocarbon Analysis						
Total Petroleum Hydrocarbon (IR)	0.7	mg/l	0.1	418.1	ja	04/16/93



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## FINAL REPORT

Client Information

Account:

TRI-S Environmental Consulting

Address:

P.O. Box 1760

Brattleboro, VT 05302

Project Name:

GMLH/Chester/PhaseII (281)(4-9-93)

Project Number:

281

Project Manager:

Sampler Name:

TRI-S Environmental

Sample Information

Lab ID:

30992076-003

Client Id:

GMLH-3-4893-281

Matrix:

Water

Date Sampled:

04/08/93 11:47

Date Received:

04/09/93 : 0

Date Reported:

alytical Parameter	Result	Unit	Detection	Method		Date
<u> </u>	Kezuit	Unit	Limit	No.	Analyst	Analyze
						Militaria de Caracteria.
LATILE ORGANICS						
Acetone	ND	ug/l	100	8240	bs	04/17/9
Benzene	ND	ug/t	1	8240	bs	04/17/9
Bromodichloromethane	ND	ug/l	S	8240	bs	04/17/9
Bromoform	ND	ug/l	5	8240	bs	04/17/9
Bromomethane	ND	ug/f	5	8240	bs	04/17/9
Carbon Tetrachloride	ND	ug/l	5	8240	bs	04/17/9
Chlorobenzene	ND	ug/l	5	8240	bs	04/17/9
Chloroethane	ND	ug/t	5	8240	bs	04/17/9
Chloroform	ND	ug/l	5	8240	bs	
Chloromethane	ND	ug/I	5	8240	bs bs	04/17/9
Dibromochloromethane	ND	ug/t	5	8240	bs	04/17/9
1,2-Dichlorobenzene	ND	ug/l	5	8240		04/17/9
1,3-Dichlorobenzene	ND	ug/I	5	8240	bs	04/17/9
1.4-Dichlorobenzene	ND		5		bs	04/17/9
1.1-Dichloroethane	ND	ug/i		8240	bs	04/17/9
1,2-Dichloroethane	ND	ug/l	5	8240	bs	04/17/93
1,1-Dichloroethene	ND	ug/1	5	8240	bs	04/17/93
cis-1,2-Dichloroethene	ND ND	ug/l	5	8240	bs	04/17/93
trans-1,2-Dichloroethene	ND ND	ug/l	5	8240	bs	04/17/93
1,2-Dichloropropane	ND	ug/i	5	8240	bs	04/17/93
cis-1,3-Dichloropropene	ND ND	ug/[	5	8240	bs	04/17/93
rans-1,3-Dichloropropene		ug/l	5	8240	bs	04/17/93
Ethylbenzene	ND	ug/l	5	8240	bs	04/17/93
Methylene Chloride	ND	ug/l	5	8240	bs	04/17/93
•	ND	ug/l	5	8240	bs	04/17/93
Methyl Ethyl Ketone	. ND	ug/l	100	8240	bs	04/17/93



# RECEIVED APR 2 6 1993

#### FINAL REPORT

Client Information

Account:

TRI-S Environmental Consulting

Address:

P.O. Box 1760

Brattleboro, VT 05302

Project Name:

GMLH/Chester/PhaseII (281)(4-9-93)

Project Number:

281

Project Manager:

Sampler Name:

TRI-S Environmental

Sample Information

Lab ID:

30992076-003

Client Id:

GMLH-3-4893-281

Matrix:

Water

Date Sampled:

04/08/93 11:47

Date Received:

04/09/93 : 0

Date Reported:

		. 7				08800 Mg/W 2008 Nga 1000 Jenggo 2000
Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
			<u> </u>			
VOLATILE ORG <u>ANICS</u>						
MIBK	ND	ug/l	50	8240	bs	04/17/93
мтве	ND	ug/l	5	8240	bs	<b>Q</b> 4/17/93
1,1,2,2-Tetrachloroethane	ND	ug/l	5	8240	bs	04/17/93
Tetrachloroethene	ND	ug/l	5	8240	bs	04/17/93
Toluene	ND	ug/l	5	8240	bs	04/17/93
1,1,1-Trichloroethane	ND	ug/l	5	8240	bs	04/17/93
1,1,2-Trichloroethane	ND	ug/l	5	8240	bs	04/17/93
Trichloroethene	ND	ug/I	5	8240	bs	04/17/93
Trichlorofluoromethane	ND	ug/l	5	8240	bs	04/17/93
Vinyl Chloride	ND	ug/l	5	8240	bs	04/17/93
Xylene	ND	ug/l	5 -	8240	bs	04/17/93
urrogate Studies - Volatiles					•	
Bromofluorobenzene	95	Percent			bs	04/17/93
1,2-Dichloroethane-D	104	Percent			bs	04/17/93
Toluene-D	<b>95</b> .	Percent		bs		04/17/93
ACID EXTRACTABLES						
Benzoic Acid	ND	ug/l	50	625	88	04/13/93
4-Chloro-3-Methylphenol	ND	ug/i	20	8270	22	04/13/93
2-Chlorophenol	ND	ug/l	10	8270	SS	04/13/93
2,4-Dichlorophenol	ND	ug/1	10	8270	SS.	04/13/93
2,6-Dichtorophenol	ND	ug/l	10	625	SS	04/13/93
2,4-Dimethylphenol	ND	ug/l	10	8270	SS	04/13/93
4,6-Dinitro-2-Methylphenol	ND	ug/l	50	8270	ss	04/13/93

# RECEIVED APR 2 6 1993

FINAL REPORT

Client Information

Account:

TRI-S Environmental Consulting

Address;

P.O. Box 1760

Brattleboro, VT 05302

Project Name:

GMLH/Chester/PhaseII (281)(4-9-93)

Project Number:

Project Manager:

Sampler Name:

TRI-S Environmental

Sample Information

Lab ID:

30992076-003

Client Id:

GMLH-3-4893-281

Matrix:

Water

Date Sampled:

04/08/93 11:47

Date Received:

04/09/93 : 0

Date Reported:

	50000 (a.e.a.)					
Analytical Parameter	Result	Unit	Detection Limit	Method No:	Analysi	Date Analyzed
ACID EXTRACTABLES						<u> </u>
2,4-Dinitrophenol 2-Methylphenol 4-Methylphenol 2-Nitrophenol 4-Nitrophenol Pentachlorophenol Phenol 2,3,4,6-Tetrachlorophenol 2,4,5-Trichlorophenol 2,4,6-Trichlorophenol Extraction Date:	ND N	ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l	50 10 10 10 50 50 10 10	8270 625 625 8270 8270 8270 8270 625 625	55 55 55 55 55 55 55 55	04/13/93 04/13/93 04/13/93 04/13/93 04/13/93 04/13/93 04/13/93 04/13/93 04/13/93
Surrogate Studies - Acid Extractables  2-Fluorophenol Phenol-D6  2,4,6-Tribromophenol  Petroleum Hydrocarbon Analysis  Total Petroleum Hydrocarbon (IR)	69 61 88	Percent Percent Percent	0.1	418.1	rw ss ss ss	04/13/93 04/13/93 04/13/93 04/13/93



# RECEIVED APR 2 6 1993

# FINAL REPORT

Client Information

Account:

TRI-S Environmental Consulting

Address:

P.O. Box 1760

Brattleboro, VT 05302

Project Name:

GMLH/Chester/PhaseII (281)(4-9-93)

Project Number:

281

Project Manager:

Sampler Name:

TRI-S Environmental

Sample Information -

Lab ID:

30992076-004

Client Id:

GMLH-4-4893-281

Matrix:

Water

Date Sampled:

04/08/93 11:26

Date Received:

04/09/93 : 0

Date Reported: 04

nalytical Parameter	Result	Unit	Detection Limit	Method No.	Anafyst	Date Analyzec
OLATILE ORGANICS						
Acetone	ND					
Benzene	ND	ug/l	100	8240	bs	04/17/93
Bromodichloromethane	ND ND	ug/!	1	8240	bs	04/17/93
Bromoform ~	ND ND	ug/l	5	8240	bs	04/17/93
Bromomethane		ug/i	5	8240	bs	04/17/93
Carbon Tetrachloride	ND	ug/l	5	8240	bs	04/17/93
Chlorobenzene	ND	ug/l	5	8240	bs	04/17/93
Chloroethane	, ND	ug/l	5	8240	bs	04/17/93
Chloroform	ND	ug/l	5	8240	bs	04/17/93
Chloromethane	ND	ug/f	5	8240	bs	04/17/93
Dibromochloromethane	ND	ug/l	5	8240	bs	04/17/93
1,2-Dichlorobenzene	ND	ug/I	· 5	8240	bs	
1,3-Dichlorobenzene	ND	ug/l	5	8240	bs	04/17/93
1,4-Dichlorobenzene	ND	ug/1	5	8240	bs	04/17/93
I,1-Dichloroethane	ND	ug/I	5	8240	bs	04/17/93
l,2-Dichloroethane	ND	ug/l	5	8240	bs	04/17/93
,1-Dichloroethene	ND	ug/i	5	8240		04/17/93
	ND	ug/l	5	8240 8240	bs	04/17/93
ris-1,2-Dichloroethene	ND	ug/I	5	8240 8240	bs	04/17/93
rans-1,2-Dichloroethene	ND	ug/l	5		bs	04/17/93
,2-Dichtoropropane	ND	ug/l	5	8240	bs	04/17/93
is-1,3-Dichloropropene	ND	ug/I	5	8240	bs	04/17/93
rans-1,3-Dichloropropene	ND	ug/i	5	8240	bs	04/17/93
thylbenzene	ND	ug/l	5	8240	bs	04/17/93
fethylene Chloride	ND	ug/I ug/I	5	8240	bs	04/17/93
fethyl Ethyl Ketone	ND			8240	bs	04/17/93
	- · <del></del>	ug/]	100	8240	bs	04/17/93



# RECEIVED APR 2 6 1993

#### FINAL REPORT

Client Information

Account:

TRI-S Environmental Consulting

Address:

P.O. Box 1760

Brattleboro, VT 05302

Project Name:

GMLH/Chester/PhaseII (281)(4-9-93)

Project Number:

Project Manager:

Sampler Name:

TRI-S Environmental

Sample Information

Lab ID:

30992076-004

Client Id:

GMLH-4-4893-281

Matrix:

Water

Date Sampled:

04/08/93 11:26

Date Received:

04/09/93 : 0

Date Reported:

Analytical Parameter	Result .	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
VOLATILE ORGANICS		•				er too see to too to to to to
MIBK	ND					
MTBE 1,1,2,2-Tetrachloroethane Tetraculoroethene	ND	ug/l	50	8240	bs	04/17/93
	ND	ug/l	5	8240	bs	04/17/93
	ND DN	ug/l	5	8240	bs	04/17/93
Toluene		ug/l	5	8240	bs	04/17/93
1,1,1-Trichtoroethane	ND	ug/l	5	8240	bs	04/17/93
1,1,2-Trichtoroethane	ND	ug/l	5	8240	bs	04/17/93
Trichloroethene	ND ND	ug/I	5	8240	bs	04/17/93
Trichlorofluoromethane Vinyl Chloride Xylene	<del></del>	ug/l	5	8240	bs	04/17/93
	ND	ug/l	5	8240	bs	04/17/93
	ND	ug/l	5	8240	bs	04/17/93
	ND	ug/I	5	8240	bs	04/17/93
Surrogate Studies - Volatiles						, , -
Bromofluorobenzene	88	Percent				
1,2-Dichloroethane-D	104	Percent			bs	04/17/93
Toluene-D	92				bs	04/17/93
	~~	Percent			bs	04/17/93
ACID EXTRACTABLES						
Benzoic Acid	ND					
4-Chloro-3-Methylphenol	ND	ug/l	50	625	SS	04/13/93
2-Chlorophenol 2,4-Dichlorophenol	ND	ug/l	20	8270	ss	04/13/93
	ND	ug/I	10	8270	SS	04/13/93
2,6-Dichlorophenol	ND	ug/l	10	8270	SS	04/13/93
2,4-Dimethylphenol 4,6-Dinitro-2-Methylphenol	ND ND	ug/l	10	625	SS	04/13/93
	ND	ug/i	10	8270	ss	04/13/93
	UNI	ug/l	50	8270	ss	04/13/93



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Project Number: Project Manager:

Sampler Name:

TRI-S Environmental

Sample Information

Lab ID:

30992076-004

Client Id:

GMLH-4-4893-281

Matrix:

Water

Date Sampled:

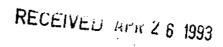
04/08/93 11:26

Date Received:

04/09/93 : 0 .

Date Reported:

			Date Reported:	04/22/93		
Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analýsi	Date Analyzed
ACID EXTRACTABLES						
2,4-Dinitrophenol						
2-Methylphenol	ND	ug/i	50	8270	SS	04/13/93
4-Methylphenol	ND	ug/1	10	625	SS	04/13/93
2-Nitrophenol	ND	. ug/l	10	625	SS	04/13/93
4-Nitrophenol	ND	ug/I	10	8270	SS	04/13/93
Pentachlorophenol	ND	ug/I	50	8270	ss	04/13/93
Phenol	ND	ug/f	50	8270	SS	04/13/93
2,3,4,6-Tetrachlorophenol	ND	ug/l	10	8270	SS	04/13/93
2,4,5-Trichlorophenol	ND	ug/i	10	625	SS	04/13/93
2,4,6-Trichlorophenol	ND	ug/l	10	625	SS	04/13/93
Extraction Date:	ND	ug/j	10	8270	SS	04/13/93
	04/12/93				rw	04/13/93
Surrogate Studies - Acid Extractables		÷				1,00,00
2-Fluorophenol	5.1	_				
Phenol-D6	54 49	Percent			ss	04/13/93
2,4,6-Tribromophenol	73	Percent			SS	04/13/93
•	13	Percent			SS	04/13/93
Petroleum Hydrocarbon Analysis						- 1, 20, 75
Total Petroleum Hydrocarbon (IR)	0.4					
, sometimes of the second control of the sec	0.6	mg/l	0.1	418.1	ja	04/16/93





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Address:

P.O. Box 1760

Brattleboro, VT 05302

Project Name:

GMLH/Chester/PhaseII (281)(4-9-93)

Project Number:

Project Manager. Sampler Name:

TRI-S Environmental

Sample Information

Lab ID:

30992076-005

Client Id:

GMLH-5-4893-281

Matrix:

Water

Date Sampled:

04/08/93 13:48

Date Received:

04/09/93 : 0

Date Reported:

				рате керопев:	04/22/93		
nalytical Parameter	-	Result	Unir	Defection Limit	Method No.	Analyst	Date Analyzec
OLATILE ORGANICS							
Acetone		ND					
Benzene		ND	ug/l	100	8240	bs	04/17/93
Bromodichloromethane		ND	ug/l	1	8240	bs	04/17/93
Bromoform	-e/27	ND	ug/l	5	8240	bs	04/17/93
Bromomethane	•	ND	ug/l	5	8240	bs	04/17/93
Carbon Tetrachloride		ND	ug/l	5	8240	bs	04/17/93
Chlorobenzene		ND	ug/l	5	8240	bs	04/17/93
Chloroethane		ND	ug/l	5	8240	bs	04/17/93
Chloroform		ND	ug/l	5	8240	bs	04/17/93
Chloromethane			ug/l	5	8240	bs	04/17/93
Dibromochloromethane		ND	ug/l	5	8240	bs	04/17/93
1,2-Dichlorobenzene		ND	ug/I	5	8240	bs	
1,3-Dichlorobenzene		ND	ug/I	5	8240	bs	04/17/93
1,4-Dichlorobenzene		ND	ug/	5	8240	bs	04/17/93
1,1-Dichloroethane		ND	ug/J	Ś	8240	bs bs	04/17/93
,2-Dichloroethane	•	ND	ug/I	S	8240		04/17/93
,1-Dichloroethene	•	ND	ug/I	5	8240	bs be	04/17/93
is-1,2-Dichloroethene		ND	ug/l	5	8240	bs ba	04/17/93
rans-1,2-Dichloroethene		ND	ug/l	5	8240	bs	04/17/93
,2-Dichloropropane		ND	ug/[	5	8240	bs	04/17/93
is-1,3-Dichloropropene		ND	ug/I	5	8240	bs	04/17/93
rans-1,3-Dichloropropene		ND	ug/I	5	8240	bs	04/17/93
thylbenzene		ND	ug/i	5		bs	04/17/93
fethylene Chloride		ND	ug/l	5	8240	bs	04/17/93
		ND	ug/!	5	8240	bs	04/17/93
fethyl Ethyl Ketone		ND	-g/! ug/	100	8240	bs	04/17/93
			-6/•	100	8240	bs	04/17/93



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## FINAL REPORT

Client Information

Account:

TRI-S Environmental Consulting

Address:

P.O. Box 1760

Brattleboro, VT 05302

Project Name:

GMLH/Chester/PhaseII (281)(4-9-93)

Project Number:

281

Project Manager:

Sampler Name:

TRI-S Environmental

Sample Information

Lab ID:

30992076-005

Client Id:

GMLH-5-4893-281

Matrix:

Water

Date Sampled:

04/08/93 13:48

Date Received:

04/09/93 : 0

Date Reported:

Analytical Parameter	Rësult	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
/OLATILE ORGANICS						
MIBK						
MTBE	ND	·· ug/l	50	8240	bs	04/17/93
1,1,2,2-Tetrachloroethane	ND	ug/l	5	8240	bs	04/17/93
Tetrachloroethene	ND	ے ug/l	5	8240	bs	04/17/93
Тошеле	ND	ug/I	5	8240	bs	04/17/93
1,1,1-Trichloroethane	ND	ug/l	5	8240	bs	04/17/93
1,1,2-Trichloroethane	ND	ug/i	5	8240	bs	04/17/93
Trichloroethene	ND	ug/l	5	8240	bs	04/17/93
Trichloroffworomethane	ND	υg/l	5	8240	bs	04/17/93
Vinyl Chloride	ND	ug/l	5	8240	bs	04/17/93
Xylene	ND	ug/I	5	8240	bs	04/17/93
Лукие	ND	ug/l	5	8240	bs	04/17/93
rrogate Studies - Volatiles					•	
Bromofluorobenzene	96	Percent				
1,2-Dichloroethane-D	109	Percent			bs	04/17/93
Toluene-D	99	Percent			bs	04/17/93
		Totalit			bs	04/17/93
CID EXTRACTABLES						
Benzoie Acid	ND	ug/l	50	625		04440400
4-Chloro-3-Methylphenol	ND	ug/l	20		22	04/13/93
2-Chlorophenol	ND	ug/l	20 10	8270	SS	04/13/93
2,4-Dichlorophenol	ND	ug/i	10	8270	SS	04/13/93
2,6-Dichlorophenol	ND			8270	SS	04/13/93
2,4-Dimethylphenol	ND	ug/l	10	625	SS	04/13/93
4,6-Dinitro-2-Methylphenol	ND	ug/l	10	8270	SS	04/13/93
	ND	ug/l	50	8270	SS	04/13/93



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Address:

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Brattleboro, VT 05302

Project Name:

GMLH/Chester/PhaseII (281)(4-9-93)

Project Number:

Project Manager: Sampler Name:

TRI-S Environmental

Sample Information

Lab ID:

30992076-005

Client Id:

GMLH-5-4893-281

Matrix:

Water

Date Sampled:

04/08/93 13:48

Date Received:

04/09/93 : 0

Date Reported:

	· · · · · · · · · · · · · · · · · · ·					
Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
ACID EXTRACTABLES						04/10/00
2,4-Dinitrophenol	ND	ug/I	50	8270	ss	04/13/93
2-Methylphenol	ND	ug/l	10	625	SS	04/13/93
4-Methylphenol	ND	ug/l	10	625	\$S	04/13/93
2-Nitrophenol	ND <	ug/l	10	8270	SS	04/13/93
4-Nitrophenol	ND .	ug/l	50	8270	SS	04/13/93
Pentachlorophenol	ND	ug/l	50	8270	SS	04/13/93
Phenol	ND	ug/i	10	8270	SS	04/13/93
2,3,4,6-Tetrachlorophenol	ND	ug/I	10	625	SS	04/13/93
-	ND	ug/l	10	625	SS	04/13/93
2,4,5-Trichlorophenol	ND	ug/l	10	8270	SS	04/13/93
2,4,6-Trichlorophenol	04/12/93	-6/-			rw	04/13/93
Extraction Date:	04/12/73					
Surrogate Studies - Acid Extractables	•					04/12/02
2-Fluorophenol	62	Percent			SS	04/13/93
Phenol-D6	55	Percent			SS	04/13/93
2,4,6-Tribromophenol	79	Percent	i		ŞS	04/13/93
Petroleum Hydrocarbon Analysis				410.1	:a	04/16/93
Total Petroleum Hydrocarbon (IR)	ND	mg/l	0.1	418.1	ja	01/10/73



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#### FINAL REPORT

Client Information

Account:

TRI-S Environmental Consulting

Address:

P.O. Box 1760

Brattleboro, VT 05302

Project Name:

GMLH/Chester/PhaseII (281)(4-9-93)

Project Number:

Sampler Name:

Project Manager:

TRI-S Environmental

Sample Information

Lab ID:

30992076-006

Client Id:

GMLH-6-4893-281

Matrix:

Water

Date Sampled:

04/08/93 13:54

Date Received:

04/09/93 : 0

Date Reported:

nalytical Parameter	Result	Unit	Detection Limit	Method No:	Analysi	Date Analyzed
DLATILE ORGANICS						<u>adaman Pilik III.</u>
Acetone	NID					
Benzene	ND ND	ug/I	100	8240	bs	04/17/93
Bromodichloromethane	ND	ug/l	1	8240	bs	04/17/93
Bromoform	, ND	ug/l	5	8240	bs	04/17/93
Bromomethane	ND ND	ug/l	5	8240	bs	04/17/93
Carbon Tetrachloride	- · <del>- · -</del>	ug/l	-5	8240	bs	04/17/93
Chlorobenzene	ND	ug/I	5	8240	bs	04/17/93
Chloroethane	ND	ug/l	5	8240	bs	04/17/93
Chloroform	ND	ug/i	5	8240	bs	04/17/93
Chloromethane	ND	ug/l	5	8240	bs	04/17/93
Dibromochloromethane	ND	ug/I	5	8240	bs	
1,2-Dichlorobenzene	ND	ug/l	5	8240	bs	04/17/93
1,3-Dichlorobenzene	ND	ug/l	5	8240	bs	04/17/93
L,4-Dichlorobenzene	ND	ug/l	5	8240	bs	04/17/93
,1-Dichloroethane	ND	ug/l	S	8240	bs	04/17/93
,2-Dichloroethane	• ND	ug/l	5	8240	bs	04/17/93
,1-Dichloroethene	ND	ug/t	<b>5</b>	8240	bs	04/17/93
is-1,2-Dichloroethene	ND	ug/l	5 .	8240	bs	04/17/93
rans-1,2-Dichloroethene	ND	ug/l	5	8240	bs bs	04/17/93
2-Dichloropropane	ND	ug/l	5	8240		04/17/93
s-1,3-Dichtoropropene	ND	ug/J	5	8240	bs	04/17/93
ane 13 Dichlore	ND	ug/i	5	8240	bs to	04/17/93
ans-1,3-Dichloropropene thylbenzene	ND	ug/l	5	8240 8240	bs	04/17/93
lethylene Chloride	ND	ug/f	5	8240 8240	bs	04/17/93
	ND	ug/l	5	8240 8240	bs	04/17/93
fethyl Ethyl Ketone	ND	ug/i	100	8240 8240	bs	04/17/93





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Address:

P.O. Box 1760

Brattleboro, VT 05302

Project Name:

GMLH/Chester/PhaseII (281)(4-9-93)

Project Number:

16----

Project Manager:

Sampler Name:

TRI-S Environmental

Sample Information

Lab ID:

30992076-006

Client Id:

GMLH-6-4893-281

Matrix:

Water

Date Sampled:

04/08/93 13:54

Date Received:

04/09/93 : 0

Date Reported:

Analytical Parameter	Result	Ünit	Detection Limit	Method No. <sup>5</sup>	Analyst	Date Analyzed
VOLATILE ORGANICS						<u> </u>
MIBK	ND					
МТВЕ	ND	ug/I	50	<b>8240</b> .	bs	04/17/93
1,1,2,2-Tetrachloroethane	ND	ug/l	5	8240	bs	04/17/93
Tetrachloroethene	ND	ug/!	5	8240	bs	04/17/93
Toluene		ug/I	5	8240	bs	04/17/93
1,1,1-Trichloroethane	ND	ug/l	5	8240-	bs	04/17/93
1,1,2-Trichloroethane	ND	ug/I	5	8240	bs	04/17/93
Trichloroethene	ND	ug/l	5	8240	bs	04/17/93
Trichlorofluoromethane	ND	ug/i	5	8240	bs	04/17/93
Vinyl Chloride	ND	ug/l	5	8240	bs	04/17/93
Xylene	ND	ug/I	5	8240	bs	04/17/93
·	ND	ug/I	5	8240	bs	04/17/93
urrogate Studies - Volatiles						
Bromofluorobenzene	94	_				
1,2-Dichloroethane-D	- •	Percent			bs	04/17/93
Toluene-D	101	Percent			bs	04/17/93
•	94	Percent			bs	04/17/93
CID EXTRACTABLES						, ,
Benzoic Acid	ND					
4-Chloro-3-Methylphenol	ND	ug/I	50	625	SS	04/13/93
2-Chlorophenol	ND ND	ug/l	20	8270	SS	04/13/93
2,4-Dichlorophenol	ND ND	ug/l	10	8270	ss	04/13/93
2,6-Dichlorophenol	ND ND	ug/l	10	8270	SS	04/13/93
2,4-Dimethylphenol		ug/I	10	625	SS	04/13/93
4,6-Dinitro-2-Methylphenol	ND	ug/!	10	8270	ss	04/13/93
	ND	ug/i	50	8270	22	04/13/93



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Address:

P.O. Box 1760

Brattleboro, VT 05302

Project Name:

GMLH/Chester/PhaseII (281)(4-9-93)

Project Number: Project Manager:

281

Sampler Name:

TRI-S Environmental

Sample Information

Lab ID:

30992076-006

Client Id:

GMLH-6-4893-281

Matrix:

Water

Date Sampled:

418.1

ja

Date Received:

04/08/93 13:54 04/09/93 : 0

Date Reported:

			Date Reported:	04/22/93		
Analytical Parameter	Result	>Unit	Detection Limit	Method No.	Analyst	Date Analyzed
ACID EXTRACTABLES  2,4-Dinitrophenol	170	,				
2-Methylphenol 4-Methylphenol 2-Nitrophenol 4-Nitrophenol Pentachlorophenol Phenol 2,3,4,6-Tetrachlorophenol 2,4,5-Trichlorophenol 2,4,6-Trichlorophenol Extraction Date:	ND ND ND ND ND ND ND ND ND ND	ug/i ug/i ug/i ug/i ug/i ug/i ug/i ug/i	50 10 10 10 50 50 10 10	8270 625 625 8270 8270 8270 8270 625 625 8270	\$5 \$5 \$5 \$5 \$5 \$5 \$5 \$5 \$5 \$5 \$5 \$5	04/13/93 04/13/93 04/13/93 04/13/93 04/13/93 04/13/93 04/13/93 04/13/93 04/13/93
Surrogate Studies - Acid Extractables  2-Fluorophenol Phenol-D6 2,4,6-Tribromophenol  Petroleum Hydrocarbon Analysis	68 54 71	Percent Percent Percent		·	rw ss ss	04/13/93 04/13/93 04/13/93 04/13/93
Total Petroleum Hydrocarbon (IR)	0.1	mg/i	0.1	410.4		

mg/i

0.1

04/16/93



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Address:

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Brattleboro, VT 05302

Project Name:

GMLH/Chester/PhaseII (281)(4-9-93)

Project Number.

Project Manager: Sampler Name:

TRI-S Environmental

Sample Information

Lab ID:

30992076-007

Client Id:

GMLH-8-4893-281

Matrix:

Water

Date Sampled:

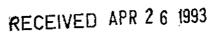
04/08/93 11:28

Date Received:

04/09/93 : 0

Date Reported:

nalytical Parameter	Result	Unjt	Detection Limit	Method No:	Analyst	Date Analyze
OLATILE ORGANICS						<u>anganting an ara-</u> ar-
Acetone	ND					
Benzene	ND ND	ug/I	100	8240	bs	04/17/93
Bromodichloromethane	ND ND	ug/!	1	8240	bs	04/17/93
Bromoform		ug/!	5	8240	bs	04/17/93
Bromomethane	ND ND	ug/l	5	8240	bs 🖘	04/17/93
Carbon Tetrachloride		ug/!	5	8240	bs	04/17/93
Chlorobenzene	ND ND	ug/i	5	8240	bs	04/17/93
Chloroethane	ND ND	ug/l	5	8240	bs	04/17/93
Chloroform	ND ND	ug/1	5	8240	bs	04/17/93
Chloromethane	_	ug/I	5	8240	bs	04/17/93
Dibromochloromethane	ND	ug/l	5	8240	bs	04/17/93
1,2-Dichlorobenzene	ND	ug/l	5	8240	bs	
1,3-Dichlorobenzene	ND	ug/l	5	8240	bs	04/17/93
1,4-Dichlorobenzene	ND	ug/t	5	8240	bs	04/17/93
,1-Dichloroethane	ND	ug/l	5	8240	bs	04/17/93
,2-Dichloroethane	ND	ug/I	5	8240		04/17/93
,1-Dichloroethene	ND	ug/l	5	8240	bs bs	04/17/93
is-1,2-Dichloroethene	ND	ug/l	5	8240	•	04/17/93
rans-1,2-Dichloroethene	ND	ug/l	5	8240	bs	04/17/93
2-Dichloropropane	ND	ug/l	5	8240	bs bs	04/17/93
is-1,3-Dichloropropene	ND	ug/l	Ś	8240	-	04/17/93
ans-1,3-Dichloropropene	ND	ug/l	5	8240	bs -	04/17/93
thylbenzene	ND	ug/l	5	8240	bs .	04/17/93
lethylene Chloride	ND	ug/I	5	8240 8240	bs	04/17/93
ethyl Ethyl Ketone	ND	ug/i	S	8240 8240	bs	04/17/93
	ND	ug/I	100	8240 8240	bs bs	04/17/93 04/17/93





## FINAL REPORT

Client Information

Account:

TRI-S Environmental Consulting

Address:

P.O. Box 1760

Brattleboro, VT 05302

Project Name:

GMLH/Chester/PhaselI (281)(4-9-93)

Project Number:

281

Project Manager.

Sampler Name:

TRI-S Environmental

Sample Information

Lab ID:

30992076-007

Client Id:

GMLH-8-4893-281

Matrix:

Water

Date Sampled:

04/08/93 11:28

Date Received:

04/09/93 : 0

Date Reported:

	0.0000000000000000000000000000000000000			0.722,75		
Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
VOLATILE ORGANICS			4			
MIBK	NIIS	_				
MTBE	ND	ug/l	50	8240	bs	04/17/93
1,1,2,2-Tetrachloroethane	ND	ug/l	5	8240	bs	04/17/93
Tetrachloroethene	ND	ug/l	5	8240	bs	04/17/93
Toluene	ND	ug/l	5	8240	bs	04/17/93
1,1,1-Trichloroethane	ND	ug/I	5	8240	bs	04/17/93
1,1,2-Trichloroethane	ND	ug/l	5	8240	bs	04/17/93
Trichloroethene	ND	ug/I	5	8240	bs	04/17/93
Trichlorofluoromethane	ND	ug∕I	5	8240	bs	04/17/93
Vinyl Chloride	ND	ug/l	5	8240	bs	04/17/93
Xylene	ND	ug/I	5	8240	bs	04/17/93
•	ND	ug/i	5	8240	bs	04/17/93
Surrogate Studies - Volatiles						• •
Bromofluorobenzene	92					
1,2-Dichloroethane-D	92 104	Percent			bs	04/17/93
Toluene-D		Percent			bs	04/17/93
	95	Percent	·		bs	04/17/93
ACID EXTRACTABLES						
Benzoic Acid	NID	4.				
4-Chloro-3-Methylphenol	ND	ug/I	50	625	SS	04/13/93
2-Chlorophenol	ND	ug/l	20	8270	ss	04/13/93
2,4-Dichlorophenol	ND	ug/I	10	8270	SS	04/13/93
2,6-Dichlorophenol	ND	ug/I	10	8270	ss	04/13/93
2,4-Dimethylphenol	ND	ug/l	10	625	SS	04/13/93
4,6-Dinitro-2-Methylphenol	ND	ug/l	10	8270	SS	04/13/93
· · · · · · · · · · · · · · · · · · ·	ND	u <b>g/</b> ]	50	8270	SS.	04/13/93



# RECEIVED APR 2 6 1993

## FINAL REPORT

Client Information

Account:

TRI-S Environmental Consulting

Address:

P.O. Box 1760

Brattleboro, VT 05302

Project Name:

GMLH/Chester/PhaseII (281)(4-9-93)

Project Number:

281

Project Manager: Sampler Name:

TRI-S Environmental

Sample Information

Lab ID:

30992076-007

Client Id:

GMLH-8-4893-281

Matrix:

Water

Date Sampled:

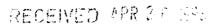
04/08/93 11:28

Date Received:

04/09/93 : 0

Date Reported:

Analytical Parameter	Result	Unit	Detection Limit	Method No.	- Analyst	Date Analyzed
ACID EXTRACTABLES						
2,4-Dinitrophenol	ND					
2-Methylphenol	ND	ug/l	50	8270	<b>SS</b>	04/13/93
4-Methylphenol	. ND	ug/!	10	625	SS	04/13/93
2-Nitrophenol	ND ND	ug/I	10	625	SS	04/13/93
4-Nitrophenol		ug/l	10	8270	SS SS	04/13/93
Pentachlorophenol	ND	ug/l	50	8270	<b>SS</b>	04/13/93
Phenol	ND	ug/l	50	8270	ss	04/13/93
2,3,4,6-Tetrachlorophenol	ND	ug/l	10	8270	SS	04/13/93
2,4,5-Trichlorophenol	ND	ug/l	10	625	SS	04/13/93
2,4,6-Trichlorophenol	ND	ug/l	10	625	ss	04/13/93
Extraction Date:	ND	ug/l	10	8270	SS	04/13/93
Estation Date.	04/12/93				rw.	04/13/93
Surrogate Studies - Acid Extractables						
2-Fluorophenol	82	Percent				
Phenol-D6	71				SS	04/13/93
2,4,6-Tribromophenol	75	Percent			SS	04/13/93
	,5	Percent			SS	04/13/93
Petroleum Hydrocarbon Analysis						
Total Petroleum Hydrocarbon (IR)	0.4	mg/i	0.1	418.1	ja	04/19/93





## FINAL REPORT

Client Information

Account:

TRI-S Environmental Consulting

Address:

P.O. Box 1760

Brattleboro, VT 05302

Project Name:

GMLH/Chester/PhaseII (281)(4-9-93)

Project Number:

281

Project Manager:

Sampler Name:

TRI-S Environmental

Sample Information

Lab ID:

30992076-008

Client Id:

GMLH-9-4893-281

Matrix:

Water

Date Sampled:

04/08/93 12:03

Date Received:

04/09/93 : 0

Date Reported:

	-			01,22,73		
nahytical Parameter	Result <sup>s</sup>	Unit	Detection Limit	Method No.	Analyst	Date Analyze
OLATILE ORGANICS						
Acetone	ND	4				
Benzene	ND	ug/l	100	8240	bs	04/17/9
Bromodichloromethane	ND	υg/l	1	8240	bs	04/17/9
Bromoform		ug/l	5	8240	bs	04/17/9
Bromomethane	ND	ug/l	5	8240	bs	04717/9:
Carbon Tetrachloride	ND	ug/i	5	8240	bs	04/17/9
Chlorobenzene	ND	ug/l	5 .	8240	bs	04/17/9
Chloroethane	ND	ug/I	5	8240	bs	04/17/93
Chloroform	ND	ug/l	5	8240	bs	04/17/93
Chloromethane	ND	ug/I	5	8240	bs	04/17/93
Dibromochloromethane	ND	ug/l	5	8240	bs	04/17/93
1,2-Dichlorobenzene	ND	ug/l	5	8240	bs	04/17/93
1,3-Dichlorobenzene	ND	ug/l	5	8240	bs	04/17/93
I,4-Dichlorobenzene	ND	ug/l	5	8240	bs	04/17/93
,1-Dichloroethane	ND	ug/I	5	8240	bs	04/17/93
,2-Dichloroethane	ND	ug/i	5	8240	bs	04/17/93
,1-Dichloroethene	ND	ug/I	5	8240	bs	04/17/93
is-1,2-Dichloroethene	ND	ug/I	5	8240	bs	
	, ND	1/gu	5	8240	bs	04/17/93
rans-1,2-Dichloroethene	ND	ug/I	5	8240	bs	04/17/93
,2-Dichloropropane	ND	ug/l	5	8240	bs	04/17/93
is-1,3-Dichloropropene	ND	ug/l	5	8240 8240		04/17/93
ans-1,3-Dichloropropene	ND	ug/l	5	8240 8240	bs	04/17/93
thylbenzene	ND	ug/i	5. 5.	8240 8240	bs	04/17/93
lethylene Chloride	ND	ug/l	5	8240 8240	bs	04/17/93
fethyl Ethyl Ketone	ND	ug/I	100		bs	04/17/93
		-6/1	100	8240	bs.	04/17/93



# RECEIVED ANY 2 6 1993

#### FINAL REPORT

Client Information

Account:

TRI-S Environmental Consulting

Address:

P.O. Box 1760

Brattleboro, VT 05302

Project Name:

GMLH/Chester/PhaseII (281)(4-9-93)

Project Number:

Project Manager. Sampler Name:

TRI-S Environmental

Sample Information

Lab ID:

30992076-008

Client Id:

GMLH-9-4893-281

Matrix:

Water

Date Sampled:

04/08/93 12:03

Date Received:

04/09/93 : 0

Date Reported:

Analytical Parameter	Result	Unit	Detection :: Limit	Method No.	Analyst	Date Analyzec
OLATILE ORGANICS					<u></u>	<u> </u>
MIBK	<b></b>					
MTBE	ND	ug/l	50	8240	bs	04/17/93
1,1,2,2-Tetrachloroethane	ND	ug/l	5	8240	bs	04/17/93
Tetrachloroethene	ND	ug/i	5	8240	bs	
Toluene	ND	ug/l	5	8240	bs	04/17/93
1,1,1-Trichloroethane	ND	ug/l	5	8240	bs	04/17/93
1,1,2-Trichloroethane	ND	ug/I	5	8240	bs	04/17/93
Trichloroethene	ND	ug/J	5	8240	bs	04/17/93
Trichlorofluoromethane	ND	ug/l	5	8240	bs	04/17/93
Vinyl Chloride	ND	ug/l	5	8240	bs	04/17/93
Xylene	ND	ug/l	5	8240	bs	04/17/93
	ND	ug/I	5	8240	bs	04/17/93
rrogate Studies - Volatiles					03	04/17/93
Bromofluorobenzene						
1,2-Dichloroethane-D	92	Percent			bs	04 (49 (04
Toluene-D	101	Percent			bs	04/17/93
	95	Percent			bs bs	04/17/93
ID EXTRACTABLES					03	04/17/93
Benzoic Acid						
4-Chloro-3-Methylphenol	ND	ug/[	50	625	ss	04 /10 /00
2-Chlorophenol	ND	ug/f	20	8270	SS	04/13/93
2,4-Dichlorophenol	ND	ug/l	10	8270	SS	04/13/93
2,6-Dichlorophenol	ND	ug/I	10	8270	SS	04/13/93
2,4-Dimethylphenol	ND	ug/1	10	625		04/13/93
4,6-Dinitro-2-Methylphenol	ND	ug/l	10	8270	SS	04/13/93
	ND	ug/I	50	8270	SS	04/13/93



## RECEIVED ARK 2 6 1993

# FINAL REPORT

Client Information

Account:

TRI-S Environmental Consulting

Address:

P.O. Box 1760

Brattleboro, VT 05302

Project Name:

GMLH/Chester/PhaseII (281)(4-9-93)

Project Number:

281

Project Manager:

Sampler Name:

TRI-S Environmental

Sample Information

Lab ID:

30992076-008

Client Id:

GMLH-9-4893-281

Matrix:

Water

Date Sampled:

04/08/93 12:03

Date Received:

04/09/93 : 0

Date Reported:

		····		04/22/93		
Analytical Parameter	Result	Ünit	Detection Limit	Method No.	Analyst	Date Analyzed
ACID EXTRACTABLES  2,4-Dinitrophenol						<u></u>
2-Methylphenol	ND	ug/i	50	8270	SS	04/12/02
4-Methylphenol	ND	ug/!	10	625	SS	04/13/93 04/13/93
2-Nitrophenol	ND	ug/l	10	625	ss	04/13/93
4-Nitrophenol	ND	ug/l	10	8270	\$S	04/13/93
Pentachlorophenol	ND	ug/I	50	8270	SS	04/13/93
Phenol	ND	ug/!	50	8270	SS	04/13/93
2,3,4,6-Tetrachlorophenol	ND	ug/l	10	8270	SS	04/13/93
2,4,5-Trichlorophenol	ND	ug/I	10	625	5\$	04/13/93
2,4,6-Trichlorophenol	ND	ug/l	10	625	SS	04/13/93
Extraction Date:	ND	ug/l	10	8270	SS	04/13/93
	04/12/93				rw	04/13/93
Surrogate Studies - Acid Extractables						,,
2-Fluorophenol	89	_				
Phenol-D6	69 78	Percent			SS	04/13/93
2,4,6-Tribromophenol	76 80	Регсепт			SS	04/13/93
• ***	80	Percent			SS	04/13/93
Petroleum Hydrocarbon Analysis						, ,
Total Petroleum Hydrocarbon (IR)	0.3	mg/l	0.1	418.1	ja	04/19/93



# RECEIVED APR Z 6 1993

# FINAL REPORT

Client Information

Account:

TRI-S Environmental Consulting

Address:

P.O. Box 1760

Brattleboro, VT 05302

Project Name:

GMLH/Chester/PhaseII (281)(4-9-93)

Project Number:

281

Project Manager:

Sampler Name:

TRI-S Environmental

Sample Information

Lab ID:

30992076-009

Client Id:

GMLH-10-4893-281

Matrix:

Water

Date Sampled:

04/08/93 10:30

Date Received:

04/09/93 : 0

Date Reported:

nalytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyze
DLATILE ORGANICS						***************************************
Acetone	ND					
Benzene	, ND	ug/I	100	8240	bs	04/19/93
Bromodichloromethane		ug/l	1	8240	bs	04/19/93
Bromoform	ND	ug/l	5	8240	bs	04/19/93
Bromomethane	ND	ug/l	5	8240	bs	04/19/93
Carbon Tetrachloride	ND	ug/J	5	8240	bs	04/19/93
Chlorobenzene	ND	ug/I	5	8240	bs	04/19/93
Chloroethane	ND	ug/!	5	8240	bs	04/19/93
Chloroform	ND	ug/l	5	8240	bs	04/19/93
Chloromethane	ND	ug/l	5	8240	bs	04/19/93
Dibromochloromethane	ND	ug/!	5	8240	bs	04/19/93
1,2-Dichlorobenzene	ND	ug/l	5	8240	bs	04/19/93
1,3-Dichlorobenzene	ND	ug/l	S	8240	bs	04/19/93
L,4-Dichlorobenzene	ND	ug/!	5	8240	bs	04/19/93
,1-Dichloroethane	ND	ug/I	5	8240	bs	04/19/93
,2-Dichloroethane	ND	ug/l	5	8240	bs	04/19/93
,1-Dichloroethene	ND	ug/t	5	8240	bs	04/19/93
is-1,2-Dichloroethene	ND	ug/I	5	8240	bs	04/19/93
rans-1,2-Dichloroethene	ND	ug/l	5	8240	bs	04/19/93
,2-Dichloropropane	ND	1\gu	5	8240	bs	04/19/93
	· ND	ug/I	5	8240	bs	
is-1,3-Dichloropropene	ND	ug/l	5	8240	bs	04/19/93
rans-1,3-Dichtoropropene	ND	ug/l	5	8240	bs	04/19/93
	ND	ug/I	5	8240	bs	04/19/93
fethylene Chloride	ND	ug/l	5	8240	bs	04/19/93
fethyl Ethyl Ketone	ND	ug/I	100	8240	bs	04/19/93 04/19/93



# RECEIVED APR 2 6 1993

#### FINAL REPORT

Client Information

Account:

TRI-S Environmental Consulting

Address:

P.O. Box 1760

Brattleboro, VT 05302

Project Name:

GMLH/Chester/PhaseII (281)(4-9-93)

Project Number:

Project Manager:

Sampler Name:

TRI-S Environmental

Sample Information

Lab ID:

30992076-009

Client Id:

GMLH-10-4893-281

Matrix:

Water

Date Sampled:

04/08/93 10:30

Date Received:

04/09/93 : 0

Date Reported:

Analytical Parameter	Result	Unit	Detection Limit	Method No	Analyst	Date Analyzed
VOLATILE ORGANICS		-				
MIBK	ND					
MTBE	ND ND	ug/l	50	8240	bs	04/19/93
1,1,2,2-Tetrachloroethane		ug/I	5 ,	8240	bs	04/19/93
Tetrachloroethene	ND	ug/I	5	8240	bs	04/19/93
Toluene	ND	ug/I	5	8240	bs	04/19/93
1,1,1-Trichloroethane	ND	ug/l	5	8240	bs	04/19/93
1,1,2-Trichloroethane	ND	ug/i	5	8240	bs	04/19/93
Trichloroethene	ND	ug/l	5	8240	bs	04/19/93
Trichlorofluoromethane	ND	ug/l	5	8240	bs	04/19/93
Vinyl Chloride	ND	ug/I	5	8240	bs	04/19/93
Xylene	ND	ug/i	5	8240	bs	04/19/93
- 4.4.10	ND	ug/I	5	8240	bs	04/19/93
prrogate Studies - Volatiles						
Bromofluorobenzene	100					
1,2-Dichloroethane-D	102	Percent			bs	04/19/93
Toluene-D	98	Percent			bs	04/19/93
	100	Percent			bs	04/19/93
CID EXTRACTABLES						, ,
Benzoic Acid	105					
4-Chloro-3-Methylphenol	ND	ug/I	50	625	SS	04/13/93
2-Chlorophenol	ND	ug/l	20	8270	22	04/13/93
2,4-Dichlorophenol	ND	ug/l	10	8270	ss	04/13/93
2,6-Dichlorophenol	ND	ug/l	10	8270	ss	04/13/93
2,4-Dimethylphenol	ND	ug/I	10	625	ss	04/13/93
4,6-Dinitro-2-Methylphenol	ND	ug/I	10	8270	ss	04/13/93
, a morn/libitettot	ND	ug/I	50	8270	SS	04/13/93



# RECEIVED APR 2 6 1993

# FINAL REPORT

Client Information

Account:

TRI-S Environmental Consulting

Address:

P.O. Box 1760

Brattleboro, VT 05302

Project Name:

GMLH/Chester/PhaseII (281)(4-9-93)

Project Number.

Project Manager:

Sampler Name:

201

Sample Information

Lab ID:

30992076-009

Client Id:

GMLH-10-4893-281

Matrix:

Water

Date Sampled:

04/08/93 10:30

Date Received:

04/09/93 : 0

TRI-S Environmental

Date Reported:

			_	,,		
Analytical Parameter	Result	Unit	Detection Limit	Method No	Analyst	Date Analyzed
ACID EXTRACTABLES  2.4-Dinitrophenol						
2,4-Dinitrophenol 2-Methylphenol 4-Methylphenol 2-Nitrophenol 4-Nitrophenol Pentachlorophenol Phenol 2,3,4,6-Tetrachlorophenol 2,4,5-Trichtorophenol 2,4,6-Trichtorophenol Extraction Date;	ND	ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l	50 10 10 10 50 50 10 10	8270 625 625 8270 8270 8270 8270 625 625	\$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$	04/13/93 04/13/93 04/13/93 04/13/93 04/13/93 04/13/93 04/13/93 04/13/93 04/13/93
Surrogate Studies - Acid Extractables 2-Fluorophenol Phenol-D6 2,4,6-Tribromophenol	04/12/93 78 68 62	Percent Percent Percent			SS SS SS	04/13/93 04/13/93 04/13/93 04/13/93
Petroleum Hydrocarbon Analysis Total Petroleum Hydrocarbon (IR)	ND	mg/l	0.1	418.1	ja	04/19/93



# RECEIVED APR 2 6 1993

#### FINAL REPORT

Client Information

Account:

TRI-S Environmental Consulting

Address:

P.O. Box 1760

Brattleboro, VT 05302

Project Name:

GMLH/Chester/PhaseII (281)(4-9-93)

Project Number:

Project Manager.

Sampler Name:

Sample Information

Lab ID:

30992076-010

Client Id:

QC-Report

Matrix: Comment:

Water

Water

Date Sampled:

04/08/93 :

281

Date Received:

04/09/93 : 0

Date Reported:

04/22/93

Analytical Parameter	Result	Unit	Detection Method Date Limit No. Analyst Analyzed
METHOD BLANK - VOLATILES Method Blank	ND	ug/l	8240
METHOD BLANK - SEMIVOLATILES  Method Blank  METHOD SUMMA DUES	ND	ug/l	625

METHOD SUMMARIES

Acid/Base Neutral analysis is performed using H/P 5970 GC/MS systems with autosampler. Analysis is performed with J&W megabore column. Tuning is based on DFTPP criteria. Procedural guidelines described in SW846 are used for all analysis. Data reduction is accomplished using H/P RTE 1000 computer systems.

Total petroleum hydrocarbons are performed by Fourier Transform Infrared Spectroscopy (FTIR) using BioRad FTS-7 system. Samples are extracted in freon and subsequently treated with silica gel (to remove vegetable/animal fats) before measurement. 10 and 100 mm sample cells are routinely used to provide necessary detection limits.



# RECEIVED APR 2 6 1993

#### FINAL REPORT

Client Information

Account:

TRI-S Environmental Consulting.

Address:

P.O. Box 1760

Brattleboro, VT 05302

Project Name:

GMLH/Chester/PhaselI (281)(4-9-93)

Project Number: Project Manager:

Sampler Name:

Sample Information

Lab ID:

30992076-010

Client Id: Matrix:

QC-Report

Comment:

Water Water

-0.7

Date Sampled:

04/08/93 :

Date Received:

04/09/93 : 0

Date Reported:

04/22/93

Analytical Parameter Result L	Detection Method Date Unit Limit No. Analyst Analyzed

## METHOD SUMMARIES

Volatile organic analysis is performed using H/P 5995 or 5970 GC/MS, Tekmar purge and trap, and ALS autosampler. Chromatography incorporates packed and megabore columns. Data reduction is performed on RTE 1000 and ChemStation systems. Tuning is based on BFB standards. Procedural guidelines follow EPA 624 or SW846 for all analyses. Aromatic volatiles listed in VOA 8020 are analyzed using GC/MS systems.

## METHOD REFERENCES

- 1. Test Methods For Evaluating Solid Waste: Physical Chemical Methods. EPA SW 846. November 1986.
- 2. Methods For Chemical Analysis of Water and Wastes. EPA 600/4-79-200. Revised March 1983.
- 3. Standard Methods For Examination of Water and Wastewater, APHA-AWWA-WACF., 16th Edition, 1985.

# CHAIN-OF-CUSTODY RECORD

			NUMBER:	Ϋ́ES	. 0	R THIS PROJECT? JOTES:	SPECIAL PRICE QUOTE FOR THIS PROJECTY SPECIAL INSTRUCTIONS / NOTES:	SW = surface frum eample;	W = water; GW = groundwater; DW = dfinking water; SW = surface water; S = soll; SED = sodiment; SL = siedge; DS = drum sample; O = o1; Wl = wipe; X = other (please describe)	YPE: W=water(: O = oi)
·	32					189	TOTALS: G			
						ソ	10:30	\ \ \	RUTH-10 11	
						الع	12:03	;	04-H-40 V	
						- در	11:28	*	6nrH-8 11	
						ande	v —	1	STATE OF	
					-	して	13:54	:	6HTH-10 11	F
						า ม -	13:48	-	GHCH-S "	REC
<u>-</u> J.	1					<u>-</u> ע. -	1):26	5	64LH-4 11	CEI
						1 2 1	Lh:111	2	GHLH-3 14	VE
J.						رو -	11:56	>	CHLH-Y 1	
	+					ر ا ا	4/1/93 11:38	M9 13	6MLH-1-4893-28	API
		N THE SPACES BELOW	MPORYANT - INDICATE THE NUMBER OF BOTTLES PER SAMPLE IN THE SPACES BELOW	NUMBER OF	DICATE THE	IM <u>PORTANT</u> - IN	COLLECTION DATE / TIME	TYPE.	SAMPLE ID / CLIENT DESCRIPTION	24 (TYR DE ONLY)
	<b>"</b>	COMMENTS		_		7 00/88 4	302	EXT. NO.:	100	AB CONTACT:
	> ¬			_		PH HOSE	21	Se IL NO: 2	177	PROJECT NAME:
	<u> </u>			_	, -	) /id ex 901		3677	CLIENT CONTACT/PHONE: (802) 254-367	CLIENT CONTAC
					4	- E/		22	Brathebor VT 05302	ひるた
		D	S REQUESTED	ANALYSE			د		MODRESS: PO BOX 1760	ADDRESS: PC
							sulting	si Con	RI-S Environmental Consultino	CLIENT:
			· · · · · · · · · · · · · · · · · · ·		;					

	NOTES:	The second in the sealed with COC tape; tape was broken / infact	5) sgreed with COC form / discrepancies were present	3) were received intact / broken: / leaking 4) were received within / bank builting lines.	2) were shipped / hand-delivered / emblent / chilled  2) were received preserved / unpreserved	Sample Control of the
	KHJ PIGH		100		Kirsty H. Jeppes	RELINQUISHED BY
		- 1	Camora Olones	1/4	Halla	RECEIVED BY
	MATRIX ANALYTICAL, INC. 100 South Street Hopkinton, IJA 017		4.5.93 3.31	-	4/9	DAYE
	IALYTICAL, INC.   108 South Street   Inton, IIIA 017***   1 (800) 3-IIAT - SO		2 2		12:45	ПиЕ
1	HORANALYTICAL, INC. 100 South Street Hopkinson, MA 01777 100 1 (800) 3-MAY 30992076-001			>		COMMENTS

# RECEIVED APR 0 9 1993



# ANALYTICAL DATA SUMMARY

Report Date:

04/07/93

Account:

TRI-S Environmental Consulting

Address: P.O. Box 1760

Brattleboro, VT 05302

802-254-3677

Project Manager: Project Name: Project No.:

G

GMLH (281) (3-26-93)

281

Sample Information:

Laboratory ID. Client ID.

Laboratory ID. Client ID.

30851835-001 NE 30851835-002 NW

30851835-004 SW

30851835-003 SE

30851835-005 QC-Report

Reviewed by

Stephen DiMattei

Quality Assurance Officer

Lab Certifications

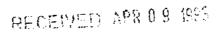
EPA ID: No. MA059 Massachusetts: No. 313

Maine: Reciprocity

New York: ELAP No. 11116

Connecticut: No. PH 0515 Florida: QA Plan No. 900437G New Hampshire: No. 24190-A,B

Rhode Island: Reciprocity





#### FINAL REPORT

Client Information

Account:

TRI-S Environmental Consulting

Address:

P.O. Box 1760

Brattleboro, VT 05302

Project Name:

GMLH (281) (3-26-93)

Project Number:

Project Manager.

Sampler Name:

Tri-S Environmental Cons.

Sample Information

Lab ID:

30851835-001

Client Id: Matrix:

NE

Soil

Date Sampled:

03/24/93 14:00

Date Received:

03/26/93 : 0

Date Reported:

nalytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyza
OI ATH E ODGANICO						
OLATILE ORGANICS Acetone						
Benzene	ND	ug/kg	100	8240	ck	0.4.40.4.40
	ND	ug/kg	1	8240	ck	04/02/9
Bromodichloromethane Bromoform	ND	ug/kg	5	8240		04/02/9
Bromomethane	ND	vg/kg	5	8240	ck ck	04/02/9
	ND	ug/kg	5	8240		04/02/9
Carbon Tetrachloride	ND	ug/kg	5	8240	ck	04/02/9
Chlorobenzene	ND	ug/kg	5	8240	ck	04/02/9
Chloroethane	ND	ug/kg	5	8240 8240	ck	04/02/9
Chloroform	ND	ug/kg	5	8240 8240	ck	04/02/9
Chloromethane	ND	ug/kg	5	-	ck	04/02/93
Dibromochloromethane	ND	ug/kg	5	8240	ck	04/02/93
1,2-Dichlorobenzene	ND	ug/kg	5	8240	ck	04/02/93
1,3-Dichlorobenzene	ND		•	8240	ck	04/02/93
1,4-Dichlorobenzene	ND	ug/kg	5	8240	ck	04/02/93
1,1-Dichloroethane	ND	ug/kg	5	8240	ck	04/02/93
1,2-Dichloroethane	ND ND	ug/kg	5	8240	ck	04/02/93
,1-Dichloroethene	ND ND	ug/kg	5	8240	ck	04/02/93
ris-1,2-Dichloroethene	- · <del>-</del>	vg/kg	5	8240	ck	04/02/93
rans-1,2-Dichloroethene	ND	ug/kg	5	8240	ck	04/02/93
,2-Dichloropropane	ND	ug/kg	5	8240	ck	04/02/93
is-1,3-Dichloropropene	ND	ug/kg	5	8240	ck	04/02/93
rans-1,3-Dichloropropene	ND	ug/kg	5	8240	ck	04/02/93
ithylbenzene	ND	ug/kg	5	8240	ck	04/02/93
fethylene Chloride	ND	ug/kg	5	8240	ck	04/02/93
lethyl Ethyl Ketone	ND	ug/kg	5	8240	ck	04/02/93
y. Zinji kolone	ND	ug/kg	100	8240	ck	04/02/93



# RECEIVED APR 6 9 1993

## FINAL REPORT

Client Information

Account:

TRI-S Environmental Consulting

Address:

P.O. Box 1760

Brattleboro, VT 05302

Project Name:

GMLH (281) (3-26-93)

Project Number:

281

Project Manager: Sampler Name:

Tri-S Environmental Cons.

Sample Information

Lab ID:

30851835-001

Client Id: Matrix: NE Soil Date Sampled:

03/24/93 14:00

Date Received:

03/26/93 : 0

Date Reported:

Analytical Parameter	Result	Unit	Detection Limit	Method No.	«Analyst	Date Analyze
/OLATILE ORGANICS						
MIBK	ND	no the	50			
MTBE	ND	ug/kg	50	8240	ck	04/02/9
1,1,2,2-Tetrachloroethane	ND	ug/kg	5	8240	ck	04/02/9
Tetrachloroethene	ND	ug/kg	5	8240	ck	04/02/9
Toluene	ND ND	ug/kg	5	8240	ck	04/02/9
1,1,1-Trichloroethane	- · <del>-</del>	ug/kg	5	8240	ck	04/02/9
1,1,2-Trichloroethane	ND	ug/kg	5	8240	ek	04/02/9
Trichloroethene	ND	ug/kg	5	8240	ck	04/02/9
Trichlorofluoromethane	ND	ug/kg	5	8240	ck	04/02/9
Vinyl Chloride	ND	ug/kg	5	8240	ck	04/02/9
Xylene	ND	ug/kg	5	8240	ck	04/02/93
	ND	ug/kg	5	8240	ck	04/02/93
YDROCARBON ANALYSIS						
Total Petroleum Hydrocarbon (IR)	760	mg/kg	20	9073	ja	03/29/93
CID EXTRACTABLES						
Benzoic Acid	ND	ug/kg	2500	0070		
4-Chloro-3-Methylphenol	ND	ug/kg	1000	8270	SS	03/29/93
2-Chlorophenol	ND	<del>-</del>		8270	SS	03/29/93
2,4-Dichlorophenol	ND	ug/kg	500	8270	SS	03/29/93
2,6-Dichlorophenol	ND	ug/kg	500	8270	SS	03/29/93
2,4-Dimethylphenol	ND ND	ug/kg	500	8270	SS	03/29/93
4,6-Dinitro-2-Methylphenol	ND ND	ug/kg	500	8270	SS	03/29/93
2,4-Dinitrophenol	ND ND	ug/kg	2500	8270	\$s	03/29/93
2-Methylphenol	ND ND	ug/kg	2500	8270	SS	03/29/93
• •	ND	ug/kg	500	8270	SS	03/29/93



#### REPORT FINAL

Client Information

Account:

TRI-S Environmental Consulting

Address:

P.O. Box 1760

Brattleboro, VT 05302

Project Name:

GMLH (281) (3-26-93)

Project Number:

Project Manager: Sampler Name:

Tri-S Environmental Cons.

Sample Information

Lab 1D:

30851835-001

Client Id: Matrix:

NE Soil Date Sampled:

03/24/93 14:00

Date Received:

03/26/93 : 0

Date Reported:

			Detection	Method		Date
Analytical Parameter	Result	Unit	Limit	No.	Analyst	Analyzed
ACID EXTRACTABLES		_				04 /45 /04
4-Methylphenol	ND	ug/kg	500	8270	SS	03/29/93
2-Nitrophenol	ND	ug/kg	500	8270	ss	03/29/93
4-Nitrophenol	ND	ug/kg	2500	8270	SS	03/29/93
Pentachlorophenol	ND	ug/kg	2500	8270	SS	03/29/93
Phenol	ND	ug/kg	500	8270	SS	03/29/93
2,3,4,6-Tetrachlorophenol	ND	ug/kg	500	8270	SS	03/29/9
2,4,5-Trichlorophenol	ND	ug/kg	500	8270	SS	03/29/9
2,4,6-Trichlorophenol	ND	ug/kg	500	8270	SS	03/29/93
Extraction Date:	03/29/93			. *	rw	
URROGATE STUDIES - VOLATILES						
Bromofluorobenzene	100	Percent	-		ck	04/02/9
1,2-Dichloroethane-D	86	Percent			ck	04/02/9
Toluene-D	78	Percent			ck	04/02/9
URROGATE STUDIES - ACID EXTRACTABLES						-
2-Fluorophenol	66	Percent			SS	03/29/9
Phenol-D6	59	Percent			SS	03/29/9
2,4,6-Tribromophenol	54	Percent			ss	03/29/9



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#### FINAL REPORT

Matrix Analytical, Inc. 106 South Street Hopkinton, MA 01748 1 800 3-MATRIX

Client Information

Account:

TRI-S Environmental Consulting

Address:

P.O. Box 1760

Brattleboro, VT 05302

Project Name:

GMLH (281) (3-26-93)

Project Number:

Project Manager:

Sampler Name:

Tri-S Environmental Cons.

Sample Information

Lab ID:

30851835-002

Client Id: Matrix:

NW Soil

Date Sampled:

03/24/93 14:00

Date Received:

03/26/93 : 0

Date Reported:

ilytical Parameter	Result	Unit	Detection Limit	Method No.	* Analyst	Dat Analy
nytical rarameter	A)CSPIL	CKII.		,,,,		
	<u></u>					
LATILE ORGANICS						
Acetone	ND	ug/kg	500	8240	ck	04/02
Benzene	ND	ug/kg	5	8240	ck	04/02
Bromodichloromethane	ND	ug/kg	25	8240	ck	04/02
Bromoform	ND	ug/kg	25	8240	ck	04/02
Bromomethane	ND	ug/kg	<b>25</b>	8240	ck	04/02
Carbon Tetrachloride	ND	ug/kg	25	8240	ck	04/02
Chlorobenzene	ND	ug/kg	25	8240	ck	04/02
Chloroethane	ND	ug/kg	25	8240	ck	04/02
Chioroform	ND	ug/kg	25	8240	ck	04/02
Chloromethane	ND	ug/kg	25	8240	ck	04/02
Dibromochloromethane	ND	ug/kg	25	8240	ck	04/02
1,2-Dichlorobenzene	ND	ug/kg	25	8240	ck	04/02
1,3-Dichlorobenzene	ND	ug/kg	25	8240	ck	04/02
1.4-Dichlorobenzene	ND	ug/kg	25	8240	ck	04/02
1,1-Dichloroethane	ND	ug/kg	25	8240	ck	04/02
1,2-Dichloroethane	ND	ug/kg	25	8240	ck	04/02
1,1-Dichloroethene	ND	ug/kg	25	8240	ck	04/02
cis-1,2-Dichloroethene	ND	ug/kg	25	8240	ck	04/02
trans-1,2-Dichloroethene	ND	ug/kg	25	8240	ck	04/02
1,2-Dichloropropane	ND	ug/kg	25	8240	ck	04/02
cis-1,3-Dichloropropene	ND	ug/kg	25	8240	ck	04/02
trans-1,3-Dichloropropene	ND	ug/kg	25	8240	ck	04/02
Ethylbenzene	ND	ug/kg	25	8240	ck	04/02
Methylene Chloride	ND	ug/kg	25	8240	ck	04/02
Methyl Ethyl Ketone	ND	ug/kg	500	8240	ck	04/02



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#### REPORT FINAL

Client Information

Account:

TRI-S Environmental Consulting

Address:

P.O. Box 1760

Brattleboro, VT 05302

Project Name:

GMLH (281) (3-26-93)

Project Number:

Project Manager:

Sampler Name:

Tri-S Environmental Cons.

Sample Information

Lab ID:

30851835-002

Client Id: Matrix:

NW Soil Date Sampled:

03/24/93 14:00

Date Received:

03/26/93 : 0

Date Reported:

	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyze
alytical Parameter	Resutt	Çjit	Lanne.	***	,,,,	
		•				·
OLATILE ORGANICS						
MIBK	ND	ug/kg	250	8240	ck	04/02/9
MTBE	ND	ug/kg	25	8240	ck	04/02/9
1,1,2,2-Tetrachloroethane	ND	ug/kg	25	8240	ck	04/02/9
Tetrachloroethene	ND	ug/kg	25	8240	ck	04/02/9
Toluene	ND	ug/kg	25	8240	. ck	04/02/9
1.1.1-Trichloroethane	ND	ug/kg	25	8240	ck	04/02/9
1,1,2-Trichloroethane	ND	ug/kg	25	8240	ck	04/02/9
Trichloroethene	ND	ug/kg	25	8240	ck	04/02/9
Trichlorofluoromethane	ND	ug/kg	25	8240	ck	04/02/9
Vinyl Chloride	ND	ug/kg	25	8240	ck	04/02/9
Xylene	ND	ug/kg	25	8240	ck	04/02/9
YDROCARBON ANALYSIS						
Total Petroleum Hydrocarbon (IR)	5,500	mg/kg	20	9073	ja	03/29/9
CID EXTRACTABLES						
Benzoic Acid	ND	ug/kg	2500	8270	SS	03/29/9
4-Chloro-3-Methylphenol	ND	ug/kg	1000	8270	ss	03/29/9
2-Chlorophenol	ND	ug/kg	500	8270	SS	03/29/9
2,4-Dichlorophenol	ND	ug/kg	500	8270	ss	03/29/9
2,6-Dichlorophenol	ND	ug/kg	500	8270	SS	03/29/9
2,4-Dimethylphenol	ND	ug/kg	500	8270	8S	03/29/9
4,6-Dinitro-2-Methylphenol	ND	ug/kg	2500	8270	ss	03/29/9
2,4-Dinitrophenol	ND	ug/kg	2500	8270	SS	03/29/9
2-Methylphenol	ND	ug/kg	500	8270	SS	03/29/9

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Matrix Analytical, Inc. 106 South Street Hopkinton, MA 01748 1800 3-MATRIX

#### REPORT FINAL

Client Information

Account:

TRI-S Environmental Consulting

Address:

P.O. Box 1760

Brattleboro, VT 05302

Project Name:

GMLH (281) (3-26-93)

Project Number:

281

Project Manager:

Sampler Name:

Tri-S Environmental Cons.

Sample Information

Lab ID:

30851835-002

Client Id: Matrix

NW

Date Sampled:

03/24/93 14:00

Date Received:

03/26/93 : 0

Matrix: Soil		Da	te Reported:	04/07/93		_
nalytical Parameter	Résult	Unit	Defection Limit	Method ; No.	Analyst	Date Analyzed
CID EXTRACTABLES	ND	ug/kg	500	8270	ss	03/29/93
4-Methylphenol	ND	ug/kg	500	8270	SS	03/29/93
2-Nitrophenol	ND ND	ug/kg ug/kg	2500	8270	ss	03/29/93
4-Nitrophenol	ND	ug/kg ug/kg	2500	8270	SS	03/29/93
Pentachlorophenol	ND ND	ug/kg ug/kg	. 500	8270	SS	03/29/93
Phenol		•	500	8270	SS	03/29/93
2,3,4,6-Tetrachlorophenol	ND	ug/kg	500	8270	SS	03/29/93
2,4,5-Trichlorophenol	ND ND	ug/kg	500	8270	SS	03/29/93
2,4,6-Trichlorophenol	03/29/93	ug/kg	300	6270	rw	00/27/30
Extraction Date:	03/23/33					
URROGATE STUDIES - VOLATILES						
Bromofluorobenzene	81	Percent			ck	04/02/93
1,2-Dichloroethane-D	86	Percent			ck	04/02/93
Toluene-D	81	Percent			ck	04/02/93
Totalia D		ection limit due	to a series of lat	te eluting		
			ually found in th	_		
		-	carbon type com			
	•		**			
URROGATE STUDIES - ACID EXTRACTAB	LES					
2-Fluorophenol	<del></del> 69	Percent			SS	03/29/93
Phenol-D6	61	Percent			SS	03/29/93
2,4,6-Tribromophenol	89	Percent			SS	03/29/93



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#### FINAL REPORT

Client Information

Account:

TRI-S Environmental Consulting

Address:

P.O. Box 1760

Brattleboro, VT 05302

Project Name:

GMLH (281) (3-26-93)

Project Number:

Project Manager.

Sampler Name:

Tri-S Environmental Cons.

Sample Information

Lab ID:

30851835-003

Client Id: Matrix:

SE Soil Date Sampled:

03/24/93 14:00

Date Received:

03/26/93 : 0

Date Reported:

	<u> </u>	1	vate Reported:	04/07/93		
nalytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	. Date Analyzed
DLATILE ORGANICS						
Acetone	ND	na llea	£00			
Benzene	ND	ug/kg	500	8240	ck	04/02/93
Bromodichloromethane	ND	ug/kg	5	8240	ck	04/02/93
Bromoform	ND	ug/kg	25	8240	ck	04/02/93
Bromomethane	ND	ug/kg	25	8240	ck	04/02/93
Carbon Tetrachloride	ND	ug/kg	25	8240	ck	04/02/93
Chlorobenzene	ND	ug/kg	25	8240	ck	04/02/93
Chloroethane	ND	ug/kg	25	8240	ck	04/02/93
Chloroform	ND ND	ug/kg	25	8240	ck	04/02/93
Chloromethane	· =	ug/kg	25	8240	ck	04/02/93
Dibromochloromethane	ND	ug/kg	25	8240	ck	04/02/93
1,2-Dichlorobenzene	ND	ug/kg	25	8240	ck	04/02/93
1,3-Dichlorobenzene	ND	ug/kg	25	8240	ck	04/02/93
1,4-Dichlorobenzene	ND	ug/kg	25	8240	ck	04/02/93
1,1-Dichloroethane	ND	ug/kg	25	8240	ck	04/02/93
1,2-Dichloroethane	ND	ug/kg	25	8240	ck	04/02/93
1,1-Dichloroethane	ND	ug/kg	25	8240	ck	04/02/93
	ND	ug/kg	25	8240	ck	04/02/93
cis-1,2-Dichloroethene	ND	ug/kg	25	8240	ck	04/02/93
trans-1,2-Dichloroethene	ND	ug/kg	25	8240	ck	04/02/93
1,2-Dichloropropane	ND	ug/kg	25	8240	ck	04/02/93
cis-1,3-Dichloropropene	ND .	ug/kg	25	8240	ck	04/02/93
trans-1,3-Dichloropropene	ND	ug/kg	25	8240	ck	04/02/93
Ethylbenzene	ND	ug/kg	25	8240	ck	04/02/93
Methylene Chloride	ND	ug/kg	25	8240	ck	04/02/93
Methyl Ethyl Ketone	ND	ug/kg	500	8240	ck	04/02/93



# RECEIVED APR 0 9 1993

#### FINAL REPORT

Matrix Analytical, Inc. 106 South Street Hopkinton, MA 01748 1 800 3-MATRIX

Client Information

Account:

TRI-S Environmental Consulting

Address:

P.O. Box 1760

Brattleboro, VT 05302

Project Name:

GMLH (281) (3-26-93)

Project Number:

281

Project Manager:

Sampler Name:

Tri-S Environmental Cons.

Sample Information

Lab 1D:

30851835-003

Client Id: Matrix:

SE Soil Date Sampled:

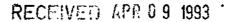
Date Received:

03/24/93 14:00

03/26/93 : 0

Date Reported	:
---------------	---

						Date
Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
VOLATILE ORGANICS						
MIBK	ND	ug/kg	250	8240	ck	04/02/93
MTBE	ND	ug/kg	25	8240	ck	04/02/93
1,1,2,2-Tetrachloroethane	ND	ug/kg	25	8240	ck	04/02/93
Tetrachloroethene	ND	ug/kg	25	8240	ck	04/02/93
Toluene	ND	ug/kg	25	8240	ck	04/02/93
1,1,1-Trichloroethane	ND	ug/kg	25	8240	ck	04/02/93
1.1.2-Trichloroethane	ND	ug/kg	25	8240	ck	04/02/93
Trichloroethene	ND	ug/kg	25	8240	ck	04/02/93
Trichlorofluoromethane	ND	ug/kg	25	8240	ck	04/02/93
Vinyl Chloride	ND	ug/kg	25	8240	ck	04/02/93
Xylene	1,100	ug/kg	25	8240	ck	04/02/93
+ HYDROCARBON ANALYSIS						
Total Petrolcum Hydrocarbon (IR)	46,000	mg/kg	200	9073	ja	03/29/93
ACID EXTRACTABLES						
Benzoic Acid	ND	ug/kg	50000	8270	SS	04/01/93
4-Chloro-3-Methylphenol	. ND	ug/kg	20000	8270.	ss	04/01/93
2-Chlorophenol	ND	ug/kg	10000	8270	ss	04/01/93
2,4-Dichlorophenol	ND	ug/kg	10000	8270	SS	04/01/93
2,6-Dichlorophenol	ND	ug/kg	10000	8270	ss	04/01/93
2,4-Dimethylphenol	ND	ug/kg	10000	8270	\$5	04/01/93
4,6-Dinitro-2-Methylphenol	ND	ug/kg	50000	8270	ss	04/01/93
2,4-Dinitrophenol	ND	ug/kg	50000	8270	SS	04/01/93
2-Methylphenol	ND	ug/kg	10000	8270	ss	04/01/93





#### FINAL REPORT

Client Information

Account:

TRI-S Environmental Consulting

Address:

P.O. Box 1760

Brattleboro, VT 05302

Project Name:

GMLH (281) (3-26-93)

Project Number:

Project Manager:

Sampler Name:

Tri-S Environmental Cons.

Sample Information

Lab ID:

30851835-003

Client Id: Matrix:

Soil

SE

Date Sampled:

03/24/93 14:00

Date Received:

03/26/93 : 0

Date Reported:

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Añalyst	Ďate Analyzed
ACID EXTRACTABLES						
4-Methylphenol	ND	ug/kg	10000	8270	SS	04 /01 /02
2-Nitrophenol	ND	ug/kg	10000	8270 8270	SS SS	04/01/93 04/01/93
4-Nitrophenol	ND	ug/kg	50000	8270		
Pentachlorophenol	ND	ug/kg	50000	8270	SS	04/01/93
Phenol	ND	ug/kg	10000	8270	ss	04/01/93
2,3,4,6-Tetrachlorophenol	ND	ug/kg	10000	8270 8270	SS	04/01/93
2,4,5-Trichlorophenol	ND	ug/kg ug/kg	10000		SS	04/01/93
2,4,6-Trichlorophenol	ND	•	10000	8270	SS	04/01/93
Extraction Date:	03/29/93	ug/kg	10000	8270	rw S3	04/01/93
SURROGATE STUDIES - VOLATILES						
Bromofluorobenzene	76	Percent				0.4 (00.400
1,2-Dichloroethane-D	92	Percent			ck -t-	04/02/93
Toluene-D	80	Percent			. ck	04/02/93
			****	1	ck	04/02/93
			to a series of lat	-		
		_	ually found in th	•		
	or pe	troicum nyaro	carbon type com	pounds.		
SURROGATE STUDIES - ACID EXTRACTABLES						
2-Fluorophenol	36	Percent				04 /01 /02
Phenot-D6	32	Percent			SS	04/01/93
2,4,6-Tribromophenol	47	Percent			SS	04/01/93
	77	reseent			SS	04/01/93



# RECEIVED APR 0 9 1993

#### REPORT FINAL

Client Information

Account:

TRI-S Environmental Consulting

Address:

P.O. Box 1760

Brattleboro, VT 05302

Project Name:

GMLH (281) (3-26-93)

Project Number:

Project Manager.

Sampler Name:

Tri-S Environmental Cons.

Sample Information

Lab ID:

30851835-004

Client Id:

sw

1,2-Dichloropropane

Methylene Chloride

Methyl Ethyl Ketone

Ethylbenzene

cis-1,3-Dichloropropene

trans-1,3-Dichloropropene

Date Sampled: Date Received: 03/24/93 14:00

03/26/93 : 0 04/07/93

8240

8240

8240

8240

8240

8240

ck

ck

ck

ck

ck

ck

Matrix: Soil			D	ate Reported:	04/07/93		
Analytical Parameter		Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
VOLATILE ORGANICS		,				_	64 100 100
Acetone		ND	ug/kg	2000	8240	ck	04/02/93
Benzene		ND	ug/kg	20	8240	ck	04/02/93
Bromodichloromethane		ND	ug/kg	100	8240	ck	04/02/93
Bromoform		ND	ug/kg	100	8240	ck	04/02/93
Bromomethane		ND	ug/kg	100	8240	ck	04/02/93
Carbon Tetrachloride		ND	ug/kg	100	8240	ck	04/02/93
Chlorobenzene		ND	ug/kg	100	8240	ck	04/02/93
Chloroethane		ND	ug/kg	100	8240	ck	04/02/93
Chloroform	•	ND	ug/kg	100	8240	ck	04/02/93
Chloromethane		ND	ug/kg	100	8240	ck	04/02/93
Dibromochloromethane		ND	ug/kg	100	8240	ck	04/02/93
1.2-Dichlorobenzene		ND	ug/kg	100	8240	ck	04/02/93
1,3-Dichlorobenzene		ND	ug/kg	100	8240	ck	04/02/93
1,4-Dichlorobenzene		ND	ug/kg	100	8240	ck	04/02/93
1,1-Dichloroethane		ND	ug/kg	100	8240	ck	04/02/93
1,2-Dichloroethane		ND	ug/kg	100	8240	ck	04/02/93
1.1-Dichloroethene		ND	ug/kg	100	8240	ck	04/02/93
cis-1,2-Dichloroethene		ND	ug/kg	100	8240	ck	04/02/93
trans-1,2-Dichloroethene		ND	ug/kg	100	8240	ck	04/02/93
mans-1,2-Dichloroctione		ND	~6/ ^6	100	5215	***	,,

ug/kg

ug/kg

ug/kg

ug/kg

ug/kg

ug/kg

100

100

100

100

100

2000

ND

ND

ND

480

ND

ND

04/02/93

04/02/93

04/02/93

04/02/93

04/02/93

04/02/93



# RECEIVED APR 0 9 593

#### REPORT FINAL

Client Information

Account:

TRI-S Environmental Consulting

Address:

P.O. Box 1760

Brattleboro, VT 05302

Project Name:

GMLH (281) (3-26-93)

Project Number:

281

Project Manager: Sampler Name:

Tri-S Environmental Cons.

Sample Information

Lab ID:

30851835-004

Client Id: Matrix:

sw

Date Sampled: Date Received: 03/24/93 14:00

03/26/93 : 0

Analytical Parameter.   Result*   Unit   Limit   No.   Analyst   Analyst	Matrix: Soil	Date Reported:		04/07/93			
4-Methylphenol	Analytical Parameter	Result	Unit			Analyst	Date Analyzed
2-Nitrophenol ND ug/kg 10000 8270 ss 04/01/ 4-Nitrophenol ND ug/kg 50000 8270 ss 04/01/ Pentachlorophenol ND ug/kg 50000 8270 ss 04/01/ Phenol ND ug/kg 10000 8270 ss 04/01/ 2,3,4,6-Tetrachlorophenol ND ug/kg 10000 8270 ss 04/01/ 2,4,5-Trichlorophenol ND ug/kg 10000 8270 ss 04/01/ 2,4,5-Trichlorophenol ND ug/kg 10000 8270 ss 04/01/ 2,4,6-Trichlorophenol ND ug/kg 10000 8270 ss 04/01/ Extraction Date: 03/29/93 rw  SURROGATE STUDIES - VOLATILES  Bromofluorobenzene 90 Percent ck 04/02/ 1,2-Dichloroethane-D 105 Percent ck 04/02/ Toluene-D 88 Percent ss 04/02/  SURROGATE STUDIES - ACID EXTRACTABLES  2-Fluorophenol 50 Percent ss 04/01/ Phenol-D6 48 Percent ss 04/01/	ACID EXTRACTABLES						
2-Nitrophenol ND ug/kg 10000 8270 ss 04/01/ 4-Nitrophenol ND ug/kg 50000 8270 ss 04/01/ Pentachlorophenol ND ug/kg 50000 8270 ss 04/01/ Phenol ND ug/kg 10000 8270 ss 04/01/ 2,3,4,6-Tetrachlorophenol ND ug/kg 10000 8270 ss 04/01/ 2,4,5-Trichlorophenol ND ug/kg 10000 8270 ss 04/01/ 2,4,5-Trichlorophenol ND ug/kg 10000 8270 ss 04/01/ 2,4,6-Trichlorophenol ND ug/kg 10000 8270 ss 04/01/ 2,4,6-Trichlorophenol ND ug/kg 10000 8270 ss 04/01/ Extraction Date: 03/29/93 rw  SURROGATE STUDIES - VOLATILES  Bromofluorobenzene 90 Percent ck 04/02/ 1,2-Dichloroethane-D 105 Percent ck 04/02/ Toluene-D 88 Percent ss 04/01/ SURROGATE STUDIES - ACID EXTRACTABLES  2-Fluorophenol 50 Percent ss 04/01/ Phenol-D6 48 Percent ss 04/01/ Pencent ss 04/01/	4-Methylphenol	ND	ug/kg	10000	8270	68	04/01/93
4-Nitrophenol	· • • =	ND	ug/kg	10000	8270	ss	04/01/93
Pentachlorophenol		ND	ug/kg	50000	8270	SS	04/01/93
Phenol		ND		50000	8270	SS	04/01/93
2,3,4,6-Tetrachlorophenol       ND       ug/kg       10000       8270       ss       04/01/2         2,4,5-Trichlorophenol       ND       ug/kg       10000       8270       ss       04/01/2         2,4,6-Trichlorophenol       ND       ug/kg       10000       8270       ss       04/01/2         Extraction Date:       03/29/93       rw             SURROGATE STUDIES - VOLATILES         Bromofluorobenzene       90       Percent       ck       04/02/2         1,2-Dichloroethane-D       105       Percent       ck       04/02/2         Toluene-D       88       Percent       ck       04/02/2         SURROGATE STUDIES - ACID EXTRACTABLES       2-Fluorophenol       50       Percent       ss       04/01/2         Phenol-D6       48       Percent       ss       04/01/2	_	ND		10000	8270	SS	04/01/93
2,4,6-Trichlorophenol         ND         ug/kg         10000         8270         ss         04/01/Extraction Date:           SURROGATE STUDIES - VOLATILES           Bromofluorobenzene         90         Percent         ck         04/02/Extraction Date:           1,2-Dichloroethane-D         105         Percent         ck         04/02/Extraction Date:           Toluene-D         88         Percent         ck         04/02/Extraction Date:           SURROGATE STUDIES - ACID EXTRACTABLES         2-Fluorophenol         50         Percent         ss         04/01/Extraction Date:           2-Fluorophenol         50         Percent         ss         04/01/Extraction Date:           Phenol-D6         48         Percent         ss         04/01/Extraction Date:	2,3,4,6-Tetrachlorophenol	ND		10000	8270	SS	04/01/93
Extraction Date: 03/29/93   rw	2,4,5-Trichlorophenol	ND	ug/kg	10000	8270	SS	04/01/93
SURROGATE STUDIES - VOLATILES           Bromofluorobenzene         90         Percent         ck         04/02/           1,2-Dichloroethane-D         105         Percent         ck         04/02/           Toluene-D         88         Percent         ck         04/02/           SURROGATE STUDIES - ACID EXTRACTABLES         2-Fluorophenol         50         Percent         ss         04/01/           Phenol-D6         48         Percent         ss         04/01/	2,4,6-Trichtorophenol	ND	ug/kg	10000	8270	SS	04/01/93
Bromofluorobenzene         90         Percent         ck         04/02/           1,2-Dichloroethane-D         105         Percent         ck         04/02/           Toluene-D         88         Percent         ck         04/02/           SURROGATE STUDIES - ACID EXTRACTABLES         2-Fluorophenol         50         Percent         ss         04/01/           Phenol-D6         48         Percent         ss         04/01/	Extraction Date:	03/29/93				TW	
1,2-Dichloroethane-D         105         Percent         ck         04/02/           Toluene-D         88         Percent         ck         04/02/           SURROGATE STUDIES - ACID EXTRACTABLES         2-Fluorophenol         50         Percent         ss         04/01/           Phenol-D6         48         Percent         ss         04/01/	SURROGATE STUDIES - VOLATILES						
Toluene-D         88         Percent         ck         04/02/           SURROGATE STUDIES - ACID EXTRACTABLES         50         Percent         ss         04/01/           2-Fluorophenol         50         Percent         ss         04/01/           Phenol-D6         48         Percent         ss         04/01/	Bromofluorobenzene	90	Percent				04/02/93
SURROGATE STUDIES - ACID EXTRACTABLES           2-Fluorophenol         50         Percent         ss         04/01/           Phenol-D6         48         Percent         ss         04/01/	1,2-Dichloroethane-D	105	Percent			ck	04/02/93
2-Fluorophenol         50         Percent         ss         04/01/           Phenol-D6         48         Percent         ss         04/01/	Toluene-D	88	Percent			ck	04/02/93
Phenol-D6 · 48 Percent ss 04/01/	SURROGATE STUDIES - ACID EXTRACTABLES						
0.4/04	2-Fluorophenol	50	Percent			SS	04/01/93
2,4,6-Tribromophenol 63 Percent ss 04/01,	Phenol-D6 ·	48	Percent			SS	04/01/93
	2,4,6-Tribromophenol	63	Percent			SS	04/01/93

# RECEIVED APR 0 9 1993



Matrix Analytical, Inc. 106 South Street Hopkinton, MA 01748 1 800 3-MATRIX

#### FINAL REPORT

Client Information

Account:

TRI-S Environmental Consulting

Address:

P.O. Box 1760

Brattleboro, VT 05302

Project Name:

GMLH (281) (3-26-93)

Project Number:

220

Project Manager: Sampler Name:

Sample Information

Lab ID:

30851835-005

Client Id:

QC-Report

Matrix: Comment: Soil Soil Date Sampled:

03/24/93 :

Date Received:

03/26/93 : 0

Date Reported:

04/07/93

Analytical Parameter	•	Result		efection Method Limit No Ana	Date niyst Analyzed
METHOD BLANK - VOLATILES  Method Blank		ND	ug/l	8240	
METHOD BLANK - SEMIVOLATILES Method Blank	+0	ND	ug/I	8270	

Method Blank	ND	ug/I	8270
MATRIX SPIKE STUDIES - VOLATILES			
Benzene	97	Percent	
Chlorobenzene	91	Percent	
1,1-Dichloroethene	82	Percent	
Toluene	94	Percent	
Trichloroethene	101	Percent	8240

#### METHOD SUMMARIES

Acid/Base Neutral analysis is performed using H/P 5970 GC/MS systems with autosampler. Analysis is performed with J&W megabore column. Tuning is based on DFTPP criteria. Procedural guidelines described in SW846 are used for all analysis. Data reduction is accomplished using H/P RTE 1000 computer systems.

Total petroleum hydrocarbons are performed by Fourier Transform Infrared Spectroscopy (FTIR) using BioRad FTS-7 system. Samples are extracted in freon and subsequently treated with silica gel (to remove vegetable/animal fats) before measurement. 10 and 100 mm sample cells are routinely used to provide necessary detection limits.





#### FINAL REPORT

Client Information

Account:

TRI-S Environmental Consulting

Address:

P.O. Box 1760

Brattleboro, VT 05302

Project Name:

GMLH (281) (3-26-93)

Project Number:

Project Manager.

Sampler Name:

Sample Information

Lab ID:

30851835-005

Client Id:

QC-Report

Matrix: Comment: Soil Soil Date Sampled:

03/24/93 :

Date Received:

03/26/93 : 0

Date Reported:

04/07/93

#### **METHOD SUMMARIES**

Volatile organic analysis is performed using H/P 5995 or 5970:GC/MS, Tekmar purge and trap, and ALS autosampler. Chromatography incorporates packed and megabore columns. Data reduction is performed on RTE 1000 and ChemStation systems. Tuning is based on BFB standards. Procedural guidelines follow EPA 624 or SW846 for all analyses. Aromatic volatiles listed in VOA 8020 are analyzed using GC/MS systems.

#### METHOD REFERENCES

- 1. Test Methods For Evaluating Solid Waste: Physical Chemical Methods. EPA SW 846. November 1986.
- 2. Methods For Chemical Analysis of Water and Wastes. EPA 600/4-79-200. Revised March 1983.
- 3. Standard Methods For Examination of Water and Wastewater, APHA-AWWA-WACF., 16th Edition, 1985.

RECEIVED APR 0 9 W  $\mathcal{V}_{j}$ 00 0.0. 1488270 (Appendix Pouly-Acidestractables as moted 30851833-001 COMMENTS COMMENTS <u>IMPORTANT</u> - INDICATE THE NUMBER OF BOTTLES PER SAMPLE IN THE SPACES BELOW CHAIN-OF-CUSTODY KECORD MATRIX ANALYTICAL, INC. Hopkinton, MA 01748 1 (600) 3-MATRIX REQUEST ш ANALYS RECEIVED BY Lary March 2500 SPECIAL PRICE QUOTE FOR THIS PROJECT? SPECIAL INSTRUCTIONS I NOTES: RELLINGUISHED BY SAMPLER'S INITIALS PO 9 E 324/43 2:00 3/24/93 2:00 3/24/93 2:00 3/24/93/2:00 TOTALS: COLLECTION DATE / TIME 302 7) were in cooler sealed I not sealed with COC lape; laps was broken I Infact EXT. NO.: 6) were sealed 4 not sealed with COC tape; tape was broken f Intact TYPE. 2010 S 2-54-367  $W \cong waler_i GW \equiv groundwaler_i DW \equiv drinking waler_i SW <math>pprox eurface$ water; S = soil; SED = sediment; SL = sludge; DS = drum sample; - 05×2 CLIENT: TRI-S EMVIVOUMENTAL SAMPLE 10 / CLIENT DESCRIPTION 1) were ehipped / hand-delivered / ambient / chilled 5) spreed with COC form I discrepancies were present MATRIX AULYTICAL USE DRLY WOODWACE Michelle Haggins 4) were received within I past holding times 3) were received intact / broken / leaking O = ol; M = wipe; X = other (please describe) 2) were received preserved / unpreserved Brattle bors VI ADDRESS: PO BOX 1760 CLIENT CONTACTORIONE: (802) 3 2 90 PROJECT NAME: G-MLF (LAB USE ONLY) TYPE NOTES

Appendix G

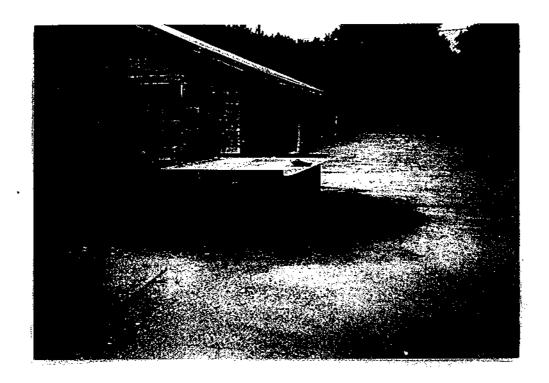
Photographs



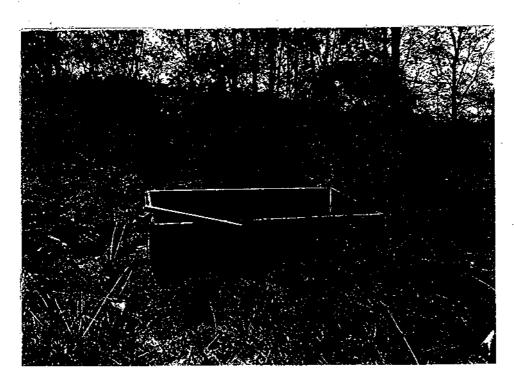
1. A view of the office, manufacturing, and wood shed buildings with a stream in the foreground.



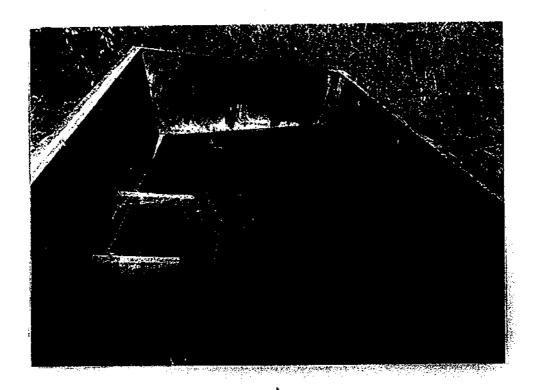
2. Installation of monitoring wells with soil stockpiles in foreground.



3. Former dip tank in front of the office building.



4. Former dip tank stored near wood chip disposal area.



5. Contents of the dip tank.



6. Wood chip disposal area.